TOLL BRIDGE PROGRAM OVERSIGHT COMMITTEE

CALTRANS · BAY AREA TOLL AUTHORITY · CALIFORNIA TRANSPORTATION COMMISSION

Letter of Transmittal

TO: Toll Bridge Program Oversight Committee (TBPOC)

DATE: February 3, 2010

FR: Program Management Team (PMT)

RE: TBPOC Meeting Materials Packet – February 11, 2010

Herewith is the TBPOC Meeting Materials Packet for the February 11th meeting. The packet includes memoranda and reports that will be presented at the meeting. A Table of Contents is provided following the Agenda to help locate specific topics.

TOLL BRIDGE PROGRAM OVERSIGHT COMMITTEE

Final Agenda

TBPOC MEETING
February 11, 2010, 10:00 am – 1:00 pm
Mission Bay Office, 325 Burma Road, Oakland, CA

TBPOC - PMT pre-briefing, 10:00 am – 11:00 am
TBPOC meeting, 11:00 am – 1:00 pm

	Topic	Presenter	Time	Desired Outcome
1.	**CHAIR'S REPORT**	S. Heminger, BATA	5 min	Information
2.	**TBPOC/ ABF/ TYLMN Discussion**			
	a. Self-Anchored Suspension Superstructure Mitigation and Acceleration Update*	PMT	60 min	Information
	b. Proposed TBPOC China Visit in March 2010	P. Lee	10 min	Approval
3.	**CONSENT CALENDAR**			
	a. TBPOC Meeting/Conference Call Minutes:			
	1) January 19, 2010 Conference Call Minutes*	A. Fremier, BATA	1 min	Approval
	2) January 7, 2010 Meeting Minutes*	A. Fremier, BATA	1 min	Approval
	b. Contract Change Orders (CCOs):			
	1) Yerba Buena Island Detour CCO 240-S1 (Nighttime Lane Closures)*	D. Noel, CTC	1 min	Approval
4.	**PROGRAM ISSUES**			
	a. TBSRP Risk Management Update*	J. Tapping, CT	15 min	Information
	b. Gateway Park Update*	A. Fremier, BATA	5 min	Information
5.	**PROGRESS REPORTS**			
	a. Final TBSRP 4th Quarter 2009 Project Progress and Financial Update/ Annual Progress Report 2009**	A. Fremier, BATA	2 min	Approval
6.	**SAN FRANCISCO-OAKLAND BAY BRIDGE UPDATES**			
	a. Yerba Buena Island Detour			
	1) Update	T. Anziano, CT	5 min	Information
	2) S-Curve Update	T. Anziano, CT	5 min	Information
	b. Yerba Buena Island Transition Structures No. 1			
	1) Update	T. Anziano, CT	5 min	Information
	c. Oakland Touchdown No. 1			
	1) Update	T. Anziano, CT	5 min	Information
7.	**EYEBAR REPAIR UPDATE**	B. Maroney, CT	5 min	Information
8.	**DUMBARTON/ ANTIOCH BRIDGE UPDATE**	J. Weinstein, BATA		
	a. Antioch Addendum No. 2*		5 min	Approval
9.	**OTHER BUSINESS**			

Next TBPOC Meeting: March 4, 2010, 1:00 PM – 4:00 PM
Director's Conference Room, Sacramento, CA

*Attachments
**Stand-alone document included in the binder

TOLL BRIDGE PROGRAM OVERSIGHT COMMITTEE

CALTRANS · BAY AREA TOLL AUTHORITY · CALIFORNIA TRANSPORTATION COMMISSION

Table of Contents

TBPOC MEETING
February 11, 2010

*Attachments
**Stand-alone document included in the binder

ITEM 1: CHAIR'S REPORT

No Attachments

TOLL BRIDGE PROGRAM OVERSIGHT COMMITTEE
CALTRANS · BAY AREA TOLL AUTHORITY · CALIFORNIA TRANSPORTATION COMMISSION

Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC) **DATE:** February 3, 2010

FR: Tony Anziano, Toll Bridge Program Manager, Caltrans

RE: Agenda No. - 2a

Item- TBPOC/ ABF/ TYLMN Discussion
Self-Anchored Suspension Superstructure Mitigation and Acceleration Update

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Recommendation:
For Information Only

Cost:
N/A

Schedule Impacts:
N/A

Discussion:
To facilitate the discussion with ABF and TYLMN, attached is an updated SAS Project Schedule Mitigation Workplan.

Below is a status summary of Shop Drawings.

- **13E**: 1333 of 1751 sheets, including revision 2 sheets, were submitted by the 1/25/2010 incentive date. Most of the 1333 sheets are likely to qualify for the incentive. This would give ABF/CTLLC $866,450 of the available $1,000,000 incentive.

- **13W**: 1522 of 1688 sheets have been resubmitted through revision 1. Some revision 2 sheets are anticipated prior to the incentive date of 2/15/2010. No assessment has been made at this point regarding the number of sheets that may qualify.

- **14E**: 189 of 822 sheets have been resubmitted through revision 1 (note - almost all 14E revision 0 sheets were approved or approved as noted, but ABF has indicated that many approved as noted sheets will be resubmitted as revision 1 sheets). and

additional revision 1 sheets are expected. Some revision 2 sheets are also anticipated prior to the incentive date of 3/1/2010. No assessment has been made at this point regarding the number of sheets that may qualify.

- **14W:** 5 of 838 sheets have been resubmitted through revision 1. and additional revision 1 sheets are expected (note - almost all 14W revision 0 sheets were approved or approved as noted, but ABF has indicated that many approved as noted sheets will be resubmitted as revision 1 sheets). Some revision 2 sheets are also anticipated prior to the incentive date of 3/1/2010. No assessment has been made at this point regarding the number of sheets that may qualify.

Attachment(s):
SAS Project Schedule Mitigation Workplan, February 11, 2010

DRAFT Rev 1- SAS Project Schedule Mitigation Workplan

February 11- 2010

Baseline
Contract
ABF Update
Team Proposed Mitigation
Critical

2009 | 2010 | 2011 | 2012 | 2013 | 2014

J F M A M J J A S O N D | 1 2 3 4 5 6 7 8 9 10 11 12

SAS ABF December 2009 Schedule

1	Phase 1 Area Available for YBI	Original Date: Mar 2012 — 10/29 — 8/14/13
2	Phase 2- Ready to Open WB Lanes	Original Date: Sep 2012 — WB Ready to Open — 4/27 — 4/30/14
3	Phase 3- Ready to Open EB Lanes	Mar 2013 — 10/24 — 9/9/14
		Original — Contract — Update

Team Proposed Mitigation Schedule Rev. 1

4	Lift 13 & 14 Shop Drawings Approved
5	Lift 13 Shop Drawings Translation
6	Lift 13 Fabrication
7	Lift 14 Shop Drawings Translation
8	Lift 14 Fabrication
9	Lift 13 & 14 Shipment & offloading
10	Lift 12,13,14 Erection
11	OBG Voyage 1 Shipment & Off Loading
12	OBG Erection Lift 1 thru 11
13	T1 Tower Shipment & Off Loading
14	Tower Erection / Install Saddle
15	Erect Catwalk and Tramway
16	Cable thru Load Transfer
17	Phase 1 Complete- Provide Access to YBI
18	Bearings, Shear Key, Hinge A, Seismic Jts
19	Complete Suspenders & Post Load Transfer
20	Final Suspender Adjustment
21	Open WB Traffic
22	MEP
23	Open EB Traffic

13E 14W

1 If Shop Drawing Completion :
13E: Jan 25, 2010
13W: Feb 15, 2010
14E: Mar 1, 2010
14W: Mar 1, 2010

East End Fabrication 3

2 — 9 Months — 2 — 9 Months — 2 — 5 Months

If Tower Shipment Projection is in April. 2

12 Months

Early Catwalk Installation — 2 — 9 Months — 2 — 6 Months — 1

Opportunity - Early Catwalk Installation & Cable Erection 4

Area To YBI Contract (Phase 1) Sep-2012

Ready for WB Mar- 2013

Ready for EB Opening Sep 2013

WB Ready to Open 5 Months later than the Original Contract date

Note: ABF buy-in to the acceleration opportunities is required.

YBI 1 Contract

YBI 1 Contract	12/15/2009 Bid Opening	1st Working Day	9/1/2010 Area PRA Available	12/13/2010 Area PR Available	10/31/2012 SAS Contract Area Available Area FP	Apr-2013 Ready for WB	Oct-2013 Ready for EB	Dec-2013 Project Completion

TOLL BRIDGE PROGRAM OVERSIGHT COMMITTEE

CALTRANS · BAY AREA TOLL AUTHORITY · CALIFORNIA TRANSPORTATION COMMISSION

Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC) **DATE:** February 3, 2010

FR: Peter Lee, Senior Transportation Engineer, BATA

RE: Agenda No. - 2b

Item- TBPOC/ ABF/ TYLMN Discussion
Proposed TBPOC China Visit in March 2010

Recommendation:
APPROVAL

Cost Impacts:
N/A

Schedule Impacts:
N/A

Discussion:
The PMT recommends that the TBPOC plan a meeting with ABF and ZPMC in Shanghai during the week of March 29, 2010 to discuss the fabrication schedule for the SAS.

Staff has reviewed the TBPOC's schedule for the months for March, April and May for the potential trip.

The best weeks identified are the following:

Weeks of	Notes
March 29	Cesar Chavez Holiday on March 31
May 3	ITS America's Annual Meeting & Exposition Meeting in Houston from May 3 to 5
May 31	Memorial Day Holiday May 31

The PMT recommends that the TBPOC schedule the trip to ZPMC at their earliest possible convenience to meet the new ZPMC CEO and to impress upon all parties the importance of meeting the TBPOC's shipping schedule.

TOLL BRIDGE PROGRAM OVERSIGHT COMMITTEE
CALTRANS · BAY AREA TOLL AUTHORITY · CALIFORNIA TRANSPORTATION COMMISSION

Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC) **DATE:** February 3 2009

FR: Andrew Fremier, Deputy Executive Director, BATA

RE: Agenda No. - 3a1

Item- Consent Calendar
TBPOC Meeting/ Conference Call Minutes
January 19, 2010 Conference Call Minutes

Recommendation:
APPROVAL

Cost:
N/A

Schedule Impacts:
N/A

Discussion:
The Program Management Team has reviewed and requests TBPOC approval of the January 19, 2010 Conference Call Minutes.

Attachment(s):
January 19, 2010 Conference Call Minutes

TOLL BRIDGE PROGRAM OVERSIGHT COMMITTEE

CALTRANS BAY AREA TOLL AUTHORITY CALIFORNIA TRANSPORTATION COMMISSION

CONFERENCE CALL MINUTES
January 19, 2010, 3:00 PM – 4:00 PM

Attendees: TBPOC Members: Steve Heminger, Randy Iwasaki, and Bimla Rhinehart
PMT Members: Tony Anziano, Andrew Fremier, and Stephen Maller
Participants: Michele DiFrancia, Beatriz Lacson, Bart Ney, Randy Rentschler, Jon Tapping, Ken Terpstra and Jason Weinstein

Convened: 3:02PM

Items	Action
1. PROGRESS REPORTS a. Third Quarter 2009 Risk Management Update • J. Tapping referred to the 3rd Quarter 2009 Risk Management Briefing that he presented to the PMT on January 11. ○ S. Heminger, the Chair, expressed concern about the timely availability of up-to-date information. He noted the lag time in delivering the final Risk Management Report (RMR), and he also noted the disconnect between the amounts of the contingency draw and contingency available in the RMR and quarterly progress report.	• T. Anziano to report on the reason for the lag time at the TBPOC meeting on February 11. • Add a Risk Management Update to the TBPOC February 11 meeting agenda. • Although presented as an information item, the TBPOC made a motion and **APPROVED** changing the Risk Management reporting process, as discussed, to be in sync with the quarterly progress report, beginning with the 4th Quarter 2009.
b. Quarterly Budget Forecast • See discussion above.	• Schedule a TBPOC conference call to approve the updated, synchronized RMR and quarterly progress report data.

Items	Action
• The question was raised as to whether or not to include Dumbarton and Antioch Bridge Seismic Retrofit project data in the 4th Quarter 2009 report. ○ Since the two projects were legally added to the Program effective January 1, 2010, the TBPOC decided to incorporate the Dumbarton and Antioch Bridge projects data starting with the 1st Quarter 2010 report.	

2. CCO 108 SUPPLEMENTAL CHANGES TO TOWER INCENTIVES
• T. Anziano presented, for TBPOC approval, a draft CCO 108, S2 which provides an incentive payment for Shipment 3 (Tower Lift 1).
  ○ The Department (J. Tapping) has initiated discussions with ABF on the language of the CCO, including a request for a disincentive.
  ➢ ABF agreed with the CCO but was opposed to the inclusion of a disincentive clause.
  ○ The TBPOC agreed to move forward with CCO 108, S2 with additional language that payment will be made on condition that the work specified is performed.
	• The TBPOC **APPROVED** CCO 108, S2, including a $10.25M incentive and a $2M lump sum payment for cost of construction acceleration, with additional language making payment of $2M contingent upon the fulfillment of items 1 and 2 under "Adjustment of Compensation at Agreed Lump Sum."

3. CHINA COMMUNICATIONS PLAN • B. Ney summarized, for TBPOC information, the communications plan for the arrival of the first permanent steel sections of the Self-Anchored Suspension (SAS) Span from China.	

Items	Action
○ The plan includes talking points, outreach scope and communication prior to the ship's arrival, media activity when the ship arrives, and continuing outreach activity through the erection of the first deck section. ○ The plan is scaled back and being coordinated with ABF.	
4. TBPOC INVITE LETTER TO MR. KANG • T. Anziano presented, for TBPOC approval, a draft letter inviting Mr. Kang (new ZPMC President and CEO) to visit the Bay Bridge East Span construction site.	• The TBPOC **APPROVED** the invitation letter to Mr. Kang, with revisions and ABF review, as discussed.

Adjourned: 4:02 PM

CONFERENCE CALL MINUTES
January 19, 2010, 3:00 PM – 4:00 PM

APPROVED BY:

_____ _____
STEVE HEMINGER, Executive Director Date
Bay Area Toll Authority

_____ _____
RANDELL H. IWASAKI, Director Date
California Department of Transportation

_____ _____
BIMLA G. RHINEHART, Executive Director Date
California Transportation Commission

TOLL BRIDGE PROGRAM OVERSIGHT COMMITTEE
CALTRANS · BAY AREA TOLL AUTHORITY · CALIFORNIA TRANSPORTATION COMMISSION

Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC) **DATE:** February 3 2009

FR: Andrew Fremier, Deputy Executive Director, BATA

RE: Agenda No. - 3a2

Item- Consent Calendar
TBPOC Meeting/ Conference Call Minutes
January 7, 2010 Meeting Minutes

Recommendation:
APPROVAL

Cost:
N/A

Schedule Impacts:
N/A

Discussion:
The Program Management Team has reviewed and requests TBPOC approval of the January 7, 2010 Meeting Minutes.

Attachment(s):
January 7, 2010 Meeting Minutes

TOLL BRIDGE PROGRAM OVERSIGHT COMMITTEE

CALTRANS BAY AREA TOLL AUTHORITY CALIFORNIA TRANSPORTATION COMMISSION

MEETING MINUTES

January 7, 2010, 10:00 AM – 2:00 PM
Mission Bay Office, Conference Room 1906, 325 Burma Road, Oakland
TBPOC-PMT pre-briefing, 10:00 AM – 11:00 AM
TBPOC meeting, 11:00 AM – 2:00 PM

Attendees: TBPOC Members: Steve Heminger, Bimla Rhinehart, and Randy Iwasaki
PMT Members: Tony Anziano and Andrew Fremier
Participants: Ade Akinsanya, Ali Banani, Michele DiFrancia, John Goodwin, Ted Hall, Beatriz Lacson, Rick Land, Peter Lee, Brian Maroney, Bart Ney, Mo Pazooki, Gary Pursell, Bijan Sartipi, Pete Siegenthaler, Ken Terpstra, Steve Thoman, Jason Tom, and Jason Weinstein

Part-Time Participants

ABF: Bob Luffy, Doug Fuller, Mike Flowers, Donald R. Jones, Brian Petersen, and Peter Vander Waart
TYL/M&N: Dennis Jang, Marwan Nader, and James Duxbury

Convened: 11:00 AM

Items	Action
1. CHAIR'S REPORT • Steve Heminger, the Chair, noted that he was looking forward to the arrival of the first shipment.	
2. TBPOC / ABF / TYLMN Discussion a. SAS Mitigation and Acceleration Update • The Chair summarized the items for discussion as follows: 1) Opportunity Schedule – 1A and 1B update; 2) Tower shipment in April 2010; 3) Shipment of lifts 13 and 14 by January 2011, and acceleration options; 4) Communications Plan for arrival of first shipment; 5) Invitation to new ZPMC CEO, Mr. Kang to visit the Bay Area and the SAS project.	

Items	Action

• With regard to item 1): M. Flowers reported that ZPMC will receive the drawings for lifts 13 and 14 per schedule.
  ○ M. Nader concurred that the shop drawings are being turned around on a timely basis.
 	
• With regard to item 2): M. Flowers indicated that ZPMC needs to do the following: 1) engage key resources through Chinese New Year; 2) commit to doubling paint shop capacity; and, 3) agree to means and methods of tower trial assembly.
  ○ The Chair requested that ABF submit, by tomorrow, a proposal to change the language on CCO 108 to include an incentive to get the tower here in April, and return to the TBPOC in February with the incentive proposal.
 	
• With regard to item 3): B. Luffy is meeting with Mr. Kang in New York on January 24, and he will stress the importance of accelerating the job. Another meeting with Mr. Kang is scheduled the first week in February, when he plans to get a commitment from ZPMC to make the January 2011 shipment.
 	
• With regard to item 4, the Chair noted that the December shipment was a big confidence booster. He emphasized the need to work closely together on the arrival of the first shipment.
  ○ B. Petersen indicated that the ship is being tracked on a daily basis and handed out OBG Shipment No. 1, Status as of 07 January 2010 (+11 GMT). He stated that the first shipment should arrive on January 20. He
	• Working with the PMT, ABF to submit an incentive proposal as soon as possible, and present to the TBPOC at its February 11 meeting.

Items	Action
described the process that the shipment will undergo upon arrival. ○ B. Ney reported that arrival preparations are moving along. The PIO is currently working on a communications plan and will shepherd the media when the time comes. • With regard to item 5: B. Luffy/ M. Flowers both indicated that it would be best to schedule a TBPOC meeting with Mr. Kang in Shanghai, where his advisors are based.	• Add the communications plan for the first shipment arrival to the agenda of the TBPOC conference call, to be scheduled.
3. CONSENT CALENDAR a. TBPOC Conference Call Minutes 1) December 1, 2009 Conference Call Minutes 2) December 4, 2009 Conference Call Minutes b. Contract Change Orders (CCOs) 1) Yerba Buena Island Detour CCO 128-S1 (Waterline Design Modifications), $242,380	• The TBPOC **APPROVED** all consent calendar items, as presented.
4. PROGRESS REPORTS a. Draft Monthly Progress Report December 2009 • A. Fremier presented, for TBPOC information, the Monthly Progress Report December 2009 which was approved by the PMT on January 5, 2010 through TBPOC-delegated authority. He requested TBPOC confirmation of this approval. b. Draft Fourth Quarter 2009 Project Progress and Financial Update/ Annual Progress Report 2009 • A. Fremier presented, for TBPOC information, the draft Fourth Quarter 2009 Project Progress and Financial Update, which is scheduled for release on February	• The TBPOC confirmed **APPROVAL** of the Monthly Progress Report December 2009 through its delegated authority to the PMT.

Items	Action
14, 2010. He requested approval of Appendices A1 and B, which reflect proposed revisions to the TBPOC-approved budget and the 4th Quarter 2009 forecasts for the contracts and the Program, for incorporation in the final version of the report. ○ J. Tapping to provide the TBPOC a Risk Management Update, including an explanation of the different reporting periods (quarterly and risk management reports), at the February 11 meeting.	• TBPOC action deferred until the TBPOC conference call to be scheduled by staff.
5. PROGRAM ISSUES a. TBSRP Capital Outlay Support (COS) Update • A. Banani gave a presentation on the FY 09-10 COS Update covering FY 09-10 Expenditures, Expenditure Analysis, and Cost Reduction Options. ○ Unless action is taken to reduce staffing, the FY 09-10 TBPOC budget of $111.7M will be exceeded by $22.4M, for a total forecast of $134.1M. A target savings of $8.5M from the first six cost reduction options would effectively decrease the forecast to $125.6M.	• The TBPOC **APPROVED** a motion for staff to implement immediately a savings of $8.5M and adjust the FY09-10 budget to $125.6M, with a focus on the first six cost reduction options but also considering all options presented on the list. • R. Iwasaki to look further into the benefits gained from furloughs taken by project personnel.
6. SAN FRANCISCO-OAKLAND BAY BRIDGE (SFOBB) UPDATES a. Yerba Buena Island Detour 1) Update • T. Anziano reported all is well with the project. Demolition of the existing viaduct is in progress.	

Items	Action
2) S-Curve Update • T. Anziano noted that the accident rate decrease continues; the last of the additional signage will soon be installed; and, monitoring of speed continues. b. Yerba Buena Island Transition Structures (YBITS) No. 1 1) Update • Not discussed. 2) Budget Approval • T. Anziano presented, for TBPOC approval, a request to allocate $144 million as a budget for the YBITS No. 1 contract, based on the apparent low bid of $80,775, 457, Supplemental Work of $20,917,500, State-Furnished Materials of $13,288,501, and a 20% contingency. o It is anticipated that approximately $70 million in savings from the YBITS No. 1 Capital Outlay will be transferred to the Program Contingency due to the recent low bid. o A procedural protest has been filed by CCM. c. Oakland Touchdown (OTD) No. 1 1) Update • T. Anziano reported that the project is on schedule.	• The TBPOC **APPROVED** YBITS No. 1 budget, as presented.
7 **EYEBAR REPAIR UPDATE** • B. Maroney handed out an Eyebar Loading Sequence graphic, and gave an update on the eyebar repair project. o Repair work is completed, and it occurred very smoothly. o ABF's job performance was remarkable.	• The Department to provide an update at the TBPOC February meeting.

	Items	Action
	• Earlier in the meeting, T. Anziano took the opportunity to express the Department's thanks to ABF on their outstanding job performance on the eyebar repair.	
8	**DUMBARTON/ ANTIOCH BRIDGE UPDATE** • M. Pazooki and J. Weinstein provided an update on the Dumbarton and Antioch bridges. • Staff requested TBPOC approval of the following: 1) Adoption of the "current" schedule dates for the Antioch contract, and "contract for delivery" schedule dates for the Dumbarton contract, as shown on the Antioch/Dumbarton Delivery Schedule (9/14/09); and, 2) Authorization to issue an addendum to change the bid opening date for the Antioch project from February 2, 2010 to March 10, 2010.	• The TBPOC directed staff to advertize the Dumbarton project by March 15, 2010. • The TBPOC **APPROVED** a bid opening date of March 10, 2010 for the Antioch project.
9	**OTHER BUSINESS** • The meeting was adjourned in memory of Mr. Eugene Forner, father of Mike Forner, who recently passed away.	

Adjourned: 1:55 PM

MEETING MINUTES
January 7, 2010, 10:00 AM – 2:00 PM
Mission Bay Office, Conference Room 1906, 325 Burma Road, Oakland

APPROVED BY:

_____ _____
STEVE HEMINGER, Executive Director Date
Bay Area Toll Authority

_____ _____
RANDELL H. IWASAKI, Director Date
California Department of Transportation

_____ _____
BIMLA G. RHINEHART, Executive Director Date
California Transportation Commission

TOLL BRIDGE PROGRAM OVERSIGHT COMMITTEE
CALTRANS · BAY AREA TOLL AUTHORITY · CALIFORNIA TRANSPORTATION COMMISSION

Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC) **DATE:** February 3, 2010

FR: Dina Noel, Assistant Deputy Director Toll Bridge Program, CTC

RE: Agenda No. - 3b1

Item- Consent Calendar

Yerba Buena Island Detour Contract Change Order No. 240-S1
Nighttime Lane Closures on the YBI Detour

Recommendation:
APPROVAL

Cost:
CCO 240–S1: $1,026,740.00

Schedule Impacts:
None

Discussion:
CCO 240-S1 in the amount $1,026,740 is necessary to pay for the placement of nighttime lane closures on the YBI Detour through the end of June 2010. The original CCO 240, issued for the amount of $948,040, provides compensation for the initial placement of the lane closures from November 2009 through the end of February 2010. The closures have been put in place in response to the elevated level of traffic incidents that were experienced over the first several months of the detour's operation. These measures have been implemented on both the upper and lower decks of the detour in order to regulate the nighttime flow of traffic and allow speed enforcement measures to be provided by the California Highway Patrol.

Additional costs of approximately $350,000 per month shall be charged against the project's contingency funds for CHP support for the placement of the lane closures and for providing traffic enforcement measures. These costs are billed separately against the project's state furnished materials funding and are not included under this change order.

CCO 240 S1 provides compensation for the work at agreed unit prices for closures placed through June of 2010. Should these closures be implemented beyond June 2010 additional funding of approximately $250,000 per month shall be required to implement the lane closures along with the additional monthly CHP support costs.

Attachment(s):

1. Draft CCO: 240-S1
2. Draft CCO Memorandum: 240-S1
3. YBID Implementation Strategy Memo, February 1, 2010

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 240	Suppl. No. 1	Contract No. 04 - 0120R4	Road SF-80-12.6/13.2	FED. AID LOC.:

To: **CC MYERS INC**

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. ***NOTE: This change order is not effective until approved by the Engineer.***

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Unit Price:

Provide for additional nighttime lane closures of the Westbound upper deck (WD1 Line) and Eastbound lower deck (ED1 Line) as allowed under Sheet No. 2 of the original Change Order No. 240 and as determined by the Engineer.

For this work, the Contractor shall be compensated the following agreed unit prices for each individual deck closure provided:

Monday Night through Thursday Night Closures 140 EA @ $3,620.00 /EA =$506,800.00
Friday Night Closure 34 EA @ $4,210.00 /EA =$143,140.00
Saturday, Sunday and Holiday Night Closures 70 EA @ $5,240.00 /EA =$366,800.00

These unit prices constitute full compensation, including all markups, for the lane closures provided under this change order.

Estimated cost of Extra Work at Agreed Unit Price $1,026,740.00

Estimated Cost: **Increase** ☑ **Decrease** ☐ **$1,026,740.00**

By reason of this order the time of completion will be adjusted as follows: 0 days

Submitted by		
Signature	**Resident Engineer** BILL CASEY	**Date**
Approval Recommended by		
Signature		**Date**
Engineer Approval by		
Signature		**Date**

We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by		
Signature	**(Print name and title)**	**Date**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

CONTRACT CHANGE ORDER MEMORANDUM

TO: MIKE FORNER / DEANNA VILCHECK	FILE: **E.A.** 04 - 0120R4
	CO-RTE-PM SF-80-12.6/13.2
FROM: BILL CASEY	**FED. NO.**
CCO#: **240** SUPPLEMENT#: **1** Category Code: **CXTG**	CONTINGENCY BALANCE (incl. this change) **$41,954,303.59**
COST: **$1,026,740.00** INCREASE ☑ DECREASE ☐	HEADQUARTERS APPROVAL REQUIRED? ☑ YES ☐ NO
SUPPLEMENTAL FUNDS PROVIDED: **$0.00**	IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? ☑ YES ☐ NO
CCO DESCRIPTION: Mainline Lane Closures Addt'l Funds	**PROJECT DESCRIPTION:** CONSTRUCT ROUTE 80 TEMP BYPASS STRUCTURE

Original Contract Time:	Time Adj. This Change:	Previously Approved CCO Time Adjustments:	Percentage Time Adjusted: (including this change)	Total # of Unreconciled Deferred Time CCO(s): (including this change)
475 Day(s)	**0** Day(s)	**1660** Day(s)	**349** %	**0**

THIS CHANGE ORDER PROVIDES FOR:

Additional nightly lane closures of the mainline upper and lower decks.

This project, the Yerba Buena Island Detour (YBID), calls for the construction of a temporary detour for both eastbound and westbound I-80 traffic that will allow for the tie in of the new east span of the San Francisco Oakland Bay Bridge to Yerba Buena Island. The YBID encompasses three main structures, the East Tie-In to the existing bridge, the West Tie-In (WTI) to Yerba Buena Island, and the Viaduct structure between the two tie ins.

Two separate Department strategy memorandums, dated December 14, 2006 and December 25, 2006, approved by Tony Anziano - Toll Bridge Program Manager and Richard Land - Chief Engineer, recommended that the Department assume responsibility for the designs of the East Tie-In (ETI) and West Tie-In (WTI) portions of this contract, and incorporated seismic retrofit work of the permanent Yerba Buena Island Transition Structure (YBITS) onto this project.

The detour opened to traffic in September of 2009 and experienced elevated traffic incidents over the first several months of its operation. Project Development requested that lane closures be implemented on both the upper and lower decks in order to regulate the nighttime flow of traffic and allow speed enforcement measures to be provided on the mainline detour by the California Highway Patrol.

The original Change Order No. 240 provided for these lane closures over a 4-month time period in order to allow for additional warning signing and pavement delineations to be installed. Based on recent discussions with the Program Management Team, it has now been proposed to extend these lanes closures for an additional 4-months beyond what was provided under the original change order.

Lane closure charts have been provided by Traffic Operations for this work and were included under the original Change Order No. 240. The charts provide for the closure of 1 to 4 lanes of the 5 lane roadway. Each of the two decks will be closed on a nightly basis.

The cost associated with this work shall be compensated as extra work at agreed unit prices for each deck closure provided at an estimated cost of $1,026,740.00 which shall be financed from the contract's contingency funds. This supplemental change brings the total estimated change order cost to $1,974,780.00. A cost analysis is on file.

No adjustment of contract time is warranted as the work will not affect the controlling operation.

Maintenance concurrence is not required as this change doesn't affect any permanent roadway features.

CONCURRED BY:		
Construction Engineer:	Bill Casey, Resident Engineer	Date
Bridge Engineer:		Date
Project Engineer:	Minh B. Nguyen, PE	Date
Project Manager:	Alec Melkonians	Date
FHWA Rep.:		Date
Environmental:		Date
Other (specify):	Jeannie Balderramos	Date
Other (specify):		Date
District Prior Approval By:		Date
HQ (Issue Approve) By:	Larry Salhaney, HQ CCO Engine	Date
Resident Engineer's Signature:		Date

ESTIMATE OF COST

	THIS REQUEST	TOTAL TO DATE
ITEMS	$0.00	$0.00
FORCE ACCOUNT	$0.00	$0.00
AGREED PRICE	$1,026,740.00	$1,974,780.00
ADJUSTMENT	$0.00	$0.00
TOTAL	$1,026,740.00	$1,974,780.00

FEDERAL PARTICIPATION

☐ PARTICIPATING ☐ PARTICIPATING IN PART ☐ NONE
☐ NON-PARTICIPATING (MAINTENANCE) ☐ NON-PARTICIPATING

FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)
☐ CCO FUNDED PER CONTRACT ☐ CCO FUNDED AS FOLLOWS

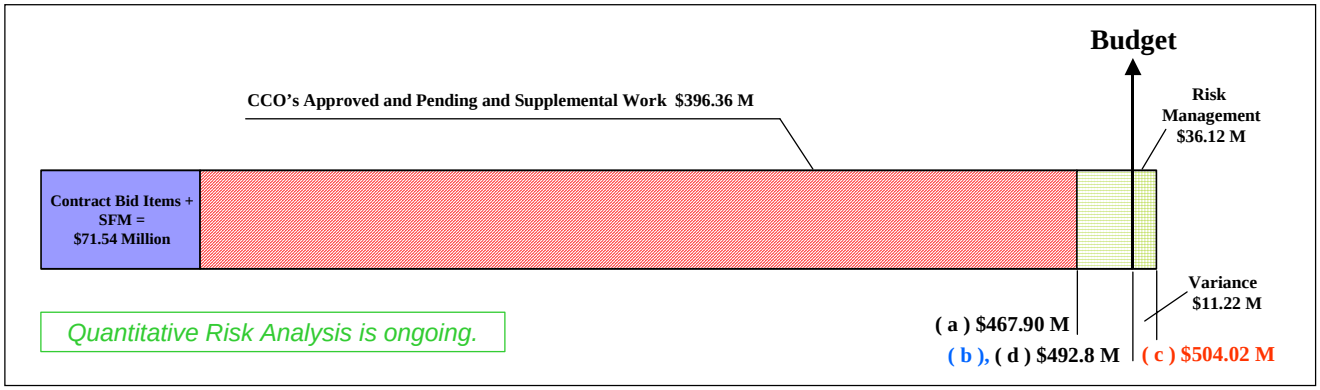
FEDERAL FUNDING SOURCE PERCENT

Yerba Buena Island Detour (Contract 04-0120R4)			
Contract Award:	**March 10th, 2004**	Suspension Days:	**302 Working Days**
Original Working Days:	**475 Working Days**	Contract Extensions:	**1660 Working Days**
Original Contract Completion:	**July 27th, 2005**	Projected Contract Completion:	**December 10, 2010**

Introduction

Two memos were developed to outline a strategy for a revised YBID project that enhanced YBID viaduct design, developed tie-in design (east and west) in-house, improved the retrofit of the YBI viaduct (replacing the top deck of the viaduct rather than retrofitting in place) and advanced and incorporated select YBITS foundation work. The two memos are "San Francisco-Oakland Bay Bridge Corridor Schedule Mitigation – Strategy for South-South Detour Contract Completion" issued December 14, 2006, and "Recommendation to Construct Select Yerba Buena Island Transition Structure Foundations by Contract Change Order" issued on December 25, 2006. This strategy will result in substantial increases in the cost of the YBID project.

As approved at the June 2009 TBPOC meeting the revised budget for the YBID project is 492.8M. This figure was established in May 2009 using all available information to date. This figure is within the projects approved budget balance beam, as shown below:



Scope of Work for YBID

The revisions to the original scope of work currently associated with the Yerba Buena Island Detour Project have been assigned into the following categories with their associated estimated cost:

Category	Scope of Work	Current Budget (June 2009)	In Progress Status Update from June 09 Approved Budget	
			Current	Delta
(0)	Original Bid Items, Baseline CCOs (1 through 48), and State Furnished Materials	$83.7	$83.7	$0
(1)	YBID New Viaduct	$40.1	$40.9	$0.8
(2a)	West Tie-In Existing Viaduct Phase 1	$40.1	$40.1	$0.0
(2b)	West Tie-In Phase 2	$21.8	$18.2	($3.6)
(3)	East Tie-In	$140.0	$143.1	$3.1
(4)	YBI Transition Structures Advance Foundations	$104.3	$103.3	($1.0)
(5)	Administrative Issues and General CCOs	$37.8	$41.9	$4.1
Subtotal		**$467.8**	**$471.2**	**$3.4**
Contingency		**$25.0**	**$21.6**	
Approved Budget		**$492.8**		

Contract payments as of January 20, 2009: $426.2M

As shown, the current status of CCOs required to modify the original scope of the YBID work as defined in Categories 1 through 5 is $387.5M. The status of each category of work is discussed in the succeeding pages of this report.

Bid Items, Baseline CCOs, & State Furnished Material (0)

The break down of Category (0) is as follows:

Original Contract Amount	$ 71.2 million
Baseline CCOs (1 through 48)	$ 12.1 million
State Furnished Materials	$ 0.4 million
Total	$ 83.7 million

Baseline Contract Change Orders (1 through 48)

CCO #	Description	Executed Date	Cost
1	Flagging and Traffic Control	5/13/2004	$100,000.00
1S1	Additional Funds for Flagging and Traffic Control	2/9/2007	$200,000.00
2	Bidder Compensation	5/8/2004	$1,575,000.00
3	Partnering	9/7/2004	$25,000.00
4	DRB	9/7/2004	$100,000.00
5	Federal Trainee Program	11/12/2004	$20,000.00
5S1	Non-Journey Person Training	3/10/2005	$50,000.00
6	Removal of DBE/SBE Monitoring	2/10/2005	$0.00
7	Sampling and Analysis Work	8/30/2004	$30,000.00
8	SWPPP Maintenance Sharing	8/30/2004	$75,000.00
9	Additional Photo Survey/Public Relations	9/14/2004	$50,000.00
10	Temporary Shuttle Van Service	7/16/2004	$650,000.00
10S1	Additional Funds for Temporary Shuttle Van Service	6/23/2005	$100,000.00
10S2	Additional Funds for Temporary Shuttle Van Service	1/12/2007	$500,000.00
11	Utility Potholing	9/14/2004	$100,000.00
12	Just-In-Time Training (RSC Pavement)	2/10/2005	$5,000.00
13	PMIV Document Management System	11/3/2004	$486,743.50
14	Temporary Suspension	5/19/2004	$0.00
15	Archaeology Investigation	7/19/2004	$30,000.00
15S1	Additional Funds for Archaeology Investigation	4/22/2005	$15,000.00
16	Roadway Profile at WTI	Voided	N/A
17	Modify Drainage at G4 Entry Vault	10/24/2006	$108,217.45
18	Access Control Measures	9/8/2004	$50,000.00
19	EDR1 Alignment Modification	5/12/2005	$0.00
20	A490 Bolts	10/23/2006	$0.00
21	Removal /Disposal of Stairway	4/13/2005	$14,060.00
22	Clean Stairs and Walkways	5/24/2005	$35,000.00
22S1	Additional Funds for Cleaning Stairs and Walkways	11/24/08	$25,000.00
23	Shared Field Data System (ShareArchive)	Voided	N/A
24	East and West Tie-In Temporary Suspension	2/1/2005	$2,181,467.40
24S1	Read Inclinometer/Adjust Equipment Costs	10/18/2005	$29,782.99
24S2	Temporary Suspension Partially Extended	5/2/2006	$4,812,631.58
24S3	Contract Days Extension/TRO Compensation	Voided	N/A
25	Bent 48, 49R, 52R Outside Boundary	3/24/2005	($19,000.00)
26	Bent 48 Articulation	4/22/2005	$0.00
27	Bent 52L Footing Conflict	1/19/2006	$94,386.51
28	Hydroseed Around W2 Columns	3/24/2005	$20,000.00
29	Replacement of Surveillance Camera	3/24/2005	$3,542.00
30	Additional Elastic Response Analysis	5/31/2005	$10,700.00
31	Soil Analysis Outside Plan Limits	6/27/2005	$20,000.00
32	SFPUC Permit Specification Change	5/17/2005	$0.00
33	Design Enhancements	Voided	N/A
34	Pole Structure Welding Specification Revision	9/30/2005	$0.00
35	Revision of East Tie-In Design Criteria	Voided	N/A
36*	Extend Limits of Viaduct Demolition	Voided	N/A
37	4 Hr Emergency Travel Way	Voided	N/A
37S1	Emergency Travel Way Falsework	Voided	N/A
38	Revision of West Tie-In Design Criteria	8/4/2005	$0.00
39	Provide Shuttle Service to USCG	6/27/2005	$10,000.00
40	Sewer Pipe Material Change	9/26/2005	$1,561.95
41	Bent 49L Utility Relocation	Voided	N/A
42	Bent 48R Pile Load Test	9/12/2005	$20,000.00
42S1	Bent 52R Pile Load Test	12/15/2005	$5,000.00
43	Material On Hand Specification Change	9/16/2005	$75,953.88
43S1	Addition of YBITS Advance to Material On Hand	Voided	N/A
44	Electrical Call Box Relocation		$47,480
45	Additional SWPPP	2/21/2006	$250,000.00
46	Southgate Road Reopening	3/8/2006	$50,000.00
47	Hazardous/Non-Hazardous Soil Removal	12/15/2005	$100,000.00
48	Buried Man-Made Objects	12/15/2005	$50,000.00
Total for Baseline Contract Change Orders			**$12,107,527**

- The scope of work for CCO No. 36 was completed and compensated for under the larger scope of CCO No. 76.

SSD New Viaduct (1)

Progress of Work

Fabrication of the structural steel truss took place at Dongkuk S&C in South Korea. With the placement of traffic onto the detour, the construction of the Viaduct is substantially complete. Minor punch list work remains.

Status of Contract Change Orders: YBID New Viaduct:

CCO	Method of Payment	Description	HQ Status	TBPOC Status	CCO Status	Current Estimate/ Actual Cost	Change from June 09 Approved Budget
49	LS	Stringer and Floor Beam Design Study	N/A	N/A	Executed 5/2/2006	$109,183	
49S1	FA	Truss Design Modifications (Changes to Stringer and Floor Beam Connections)	I&A 12/08/06	N/A	Executed 8/17/2006	$150,000	
49S2	FA		I&A 12/08/06	N/A	Executed 12/18/2006	$100,000	
Subtotal (CCO #49 and Supplements)						$359,182	
50	FA	Stand Alone Viaduct Design	N/A	N/A	Executed 5/8/2006	$325,000	
50S1	FA		I&A 9/21/06	N/A	Executed 10/16/2006	$300,000	
50S2	FA		I&A 12/08/06	N/A	Executed 12/18/2006	$100,000	
50S3	FA		I&A 2/09/07	N/A	Executed 2/13/07	$175,000	
Subtotal (CCO #50 and Supplements)						$900,000	
54	LS	Deck Drainage	N/A	N/A	Executed 5/2/07	$8,000	
55	LS	Viaduct Fabricator Change (SGT Closeout)	I&A 7/08/07	Approved 6/27/07	Executed 8/7/07	$5,665,330	
55S1	LS	SGT Fabrication Closeout - Dongkuk Materials	I&A 1/24/08	Approved 3/5/08	Executed 3/17/08	$980,600	
59	LS	Water Blast Rebar Cages	N/A	N/A	Executed 2/22/07	$5,000	
59S1	LS	Additional funds, Water Blast Rebar Cages	N/A	N/A	Executed 11/24/08	$5,000	
60	LS	Construction of Bent Caps	I&A 6/13/07	Approved 6/27/07	Executed 6/18/07	$7,435,950	
67	FA	Viaduct/ETI Interface Modifications (Design Cost)	I&A 5/14/07	N/A	Executed 9/27/07	$800,000	
79	LS	Fabrication Cost for Viaduct Design Changes July '05 - October '06	I&A 7/19/07	N/A	Executed 8/7/07	$803,400	
79S1	LS	Fabrication Cost for Viaduct Design Changes - July 05-Oct 06	I&A 6/13/08	N/A	Executed 8/4/08	$75,860	
80	LS	Erection Costs for Viaduct Design Changes through October 2006	N/A	Approved 1/31/08	Executed 2/20/08	$6,912,200	
82	FA	OGAC Paving and Expansion Dams	I&A 8/10/09	N/A	Executed 10/8/09	$547,680	$401,386
213	LS	Bent 48 Expansion Joint & Drainage Escalation	I&A 7/23/09	N/A	Executed 8/06/09	$488,100	
85	LS	Design of 300mm Waterline Relocation	N/A	N/A	Executed 3/17/08	$12,480	
87	LS	Viaduct Shipping Escalation Costs	I&A 7/24/07	N/A	Executed 10/2/07	$534,570	
87S1	LS	Viaduct Shipping Escalation Costs	I&A 1/14/08	N/A	Executed 1/30/08	$200,000	
88	LS	Viaduct Fabrication Delays	I&A 7/19/07	N/A	Executed 8/7/07	$954,460	
88S1	LS	Viaduct Fabrication Delays	I&A 8/22/07	N/A	Executed 9/27/07	$776,630	
98	FA/LS	Viaduct Steel Storage and Handling Cost	I&A 5/30/08	N/A	Executed 6/18/08	$845,370	
99	LS	Viaduct Erection Costs (Post Oct. 2006)	I&A 4/17/08	N/A	Executed 5/22/08	$862,614	

100	FA	Viaduct Fabrication Costs (Post Oct. 2006)	I&A 1/22/08	N/A	Executed 1/28/08	$650,000	
105	FA/LS	Dongkuk Fabrication and Temp Bracing Fabrication Costs (July 2007 Plans)	I&A 4/2/08	Approved 4/3/08	Executed 4/17/08	$2,140,640	
106	-	CCO Voided…previous scope of work was incorporated into CCO 105	-	-	-	-	-
107	LS	Furnish and Drive Erection Tower Falsework Piles	I&A 8/07/08	N/A	Executed 10/02/08	$855,190	
111	FA/LS	USCG Parking Replacement and Protection	N/A	N/A	Executed 3/17/08	$163,223	
111S1	LS	Additional costs USCG Parking Lot	N/A	N/A	Executed 6/30/08	$8,940	
111S2	LS	Additional costs USCG Car Port Canopy	N/A	N/A	Executed 4/23/09	$120,000	$120,000
111S3	LS	Additional costs USCG Car Port Canopy	N/A	N/A	Executed 9/21/09	$80,000	$80,000
115	FA	Third VIA Shipping for CCO #67 July 07 plans	I&A 5/06/08	N/A	Executed 5/22/08	$850,000	
128	LS	60% of Waterline Relocation and Viaduct Connection Modifications	I&A 8/18/09	N/A	Executed 10/8/09	$533,123	($138,039)
128S1	LS	60 % of Waterline Design Mods and Impact Costs	N/A	N/A	Executed 1/20/10	$145,428	
215	FA	Underground Waterline Excavation Costs	N/A	N/A	Executed 10/8/09	$47,000	
133	-	Lightweight Conc. Mix Design Spec Change	N/A	N/A	Executed 9/12/08	$0	
134	LS	60% of Project Wide Electrical Changes	7/7/09	Approved 5/7/09	Executed 8/25/09	$1,380,554	
196	LS	Revised Electrical Lighting	N/A	N/A	Executed 7/28/09	$35,944	($174,056)
135	LS	Rebar Deck Escalation Costs	I&A 11/09/08	N/A	Executed 1/28/09	$995,100	
136	FA/LS	Provide additional alternate entrance access to USCG Base	N/A	N/A	Executed 9/23/08	$74,540	
138	LS	Waterline Relocation for Fire Hydrant (Conflicts with Span 49 Falsework)	N/A	N/A	Executed 9/23/08	$278,200	
148	FA	USCG Road Canopy below Viaduct	I&A 8/27/08	N/A	Executed 9/23/08	$500,000	
152	LS	Relocate USCG Road for steel erection FW Towers at Span 51	I&A 1/06/09	N/A	Executed 2/4/09	$336,420	
156	LS	Span 49 F/W Conflict w/ USCG Utilities	N/A	N/A	Executed 9/23/08	$180,820	
163	LS	Viaduct Grade Conflict	N/A	N/A	Executed 6/12/09	$83,202	($16,798)
173		**Deck Casting and Expansion Joint Escalation**		**TBD**	**In Progress**	**$1,000,000**	
178	LS	Type 7 Fence at Barrier	I&A 7/31/09	N/A	Executed 8/25/09	$457,356	$374,176
198	Credit/ LS	60 % of Job Wide Stripping Plan (Viaduct Portion)		N/A	Executed 12/14/09	$179,678	$89,678
199	Credit	CCO Deleted	-	-	-	-	($100,000)
201	LS	Viaduct Steel Erection USCG Protective Netting	N/A	N/A	Executed 10/8/09	$156,350	($73,650)
209	LS	Viaduct USCG Flagging & Delays (Span 51)	N/A	N/A	Executed 8/13/09	$92,810	($47,190)
210	LS	Steel Erection Close Out	N/A	N/A	Executed 1/20/10	$147,230	$22,230
226		**Manhole Covers**	**N/A**	**N/A**	**In Progress**	**$50,000**	**$50,000**
235	**FA**	**1/3rd of Detour Traffic Improvements**	**N/A**	**N/A**	**In Progress**	**$100,000**	**$100,000**
238	FA	Additional Scuppers	N/A	N/A	Executed 1/20/10	$100,000	$100,000
Current Forecast for YBID New Viaduct						**$40,914,175**	**$787,737**

Budget Status

The Viaduct portion of the YBID was bid at $26.74M. The projected additional costs in the December 14, 2006 Strategy Memorandum were estimated to be $9M. The June 2009 revised additional cost estimate is $40.1M with a current projection of $40.9M. CCOs executed to date are $39.8M.

West Tie-In **Phase 1** 2a

Progress of Work

Phase 1 work was substantially complete with the move in of the Structure on September 03, 2007. Miscellaneous electrical and drainage work remain. WB On-ramp reopened on August 8, 2008 and was subsequently re-closed on September 8, 2009 to accommodate the demolition of the old structure.

Status of Contract Change Orders: West Tie-In Existing Viaduct (Phase 1)

CCO	Method of Payment	Description	HQ Status	TBPOC Status	CCO Status	Current Estimate/ Actual Cost	Change from June 09 Approved Budget
58	FA	Bridge Removal Plan	N/A	N/A	Executed 11/21/06	$60,000	
58 S1	FA	Bridge Removal Plan	N/A	N/A	Executed 7/05/07	$40,000	
61	FA	Advance Engineering (Work Plans and Submittals), Site Prep (Ramp Closures, Access Road), Civil Work (Grading), Structure Work (Material Procurement)	I&A 1/09/07	N/A	Executed 2/27/07	$400,000	
61S1	LS/FA	Construction of Stage 1 Area and Substructure	I&A 5/16/07	Approved 6/27/07	Executed 5/18/07	$9,995,644	
66	FA	TMP – Video Equipment (WTI Phase 1)	N/A	N/A	Executed 7/20/07	$175,000	
68	FA	Temporary Electrical Work	N/A	N/A	Executed 7/20/07	$140,000	
68S1	FA	Temporary Electrical Work Stage 2, 3 &4	I&A 12/02/07	N/A	Executed 10/31/07	$510,000	
72	LS	Structure Work (Superstructure), and Temporary Shuttle Service	I&A 7/19/07	Approved 7/27/07	Executed 7/20/07	$11,096,900	
76	LS	Labor Day Bridge Demolition and Move-In	I&A 7/19/07	Approved 7/27/07	Executed 7/20/07	$2,240,300	
76S1	LS	Labor Day Bridge Move-In (Changeable Message Signs, Temporary Signs, Traffic Control, Bridge Removal, Bridge Move-In, Paving and Roadway Repairs, CCM Support Costs, City Traffic Officers)	I&A 8/28/07	Approved 8/24/07	Executed 9/27/07	$10,144,140	
84	LS	Skid Track Foundations and Temporary Columns	I&A 7/27/07	Approved 7/27/07	Executed 7/31/07	$3,980,000	
101	LS	Reconstruct Slab, West Bound On-ramp	I&A 4/02/08	N/A	Executed 4/17/08	$846,140	
101S1	LS	WB Onramp Supplemental Work	I&A 1/06/09	N/A	Executed 2/4/09	$149,560	
102	FA	Northside Drainage Work	N/A	N/A	Executed 4/4/08	$60,000	
102S1	LS	Northside Drainage Work	N/A	N/A	Executed 7/15/09	$48,818	$46,578
102S2	FA	Additional Northside Drainage Work	N/A	N/A	Executed 7/15/09	$50,000	
103	LS	Labor Day Weekend Closure Misc. Costs	N/A	N/A	Executed 2/20/08	$173,140	
urrent Status for West Tie-In (Phase 1)						**$40,109,642**	**$46,578**

Budget Status

The projected additional costs in the December 14, 2006 Strategy Memorandum were estimated to be $40M. The June 2009 revised additional cost estimate is $40.1M with a current projection of $40.1M. CCOs executed to date are $40.1M.

West Tie-In **Phase 2** 2b

Progress of Work

With the placement of traffic onto the detour, Frames 1, 2, and 3 are substantially complete. Minor punch list work, including the installation of south side drainage system, remains.

Status of Contract Change Orders: West Tie-In (Phase 2)

CCO	Method of Payment	Description	HQ Status	TBPOC Status	CCO Status	Current Estimate/ Actual Cost	Change from June 09 Approved Budget
62	LS	Construction of Phase 2 Foundations and Credits for Elimination of Bid Items 12 and 90	I&A 2/29/08	Approved 4/4/08	Executed 4/7/08	($4,649,850)	
200	FA	Shoring at Abutment 47A	N/A	N/A	Executed 11/19/09	$50,000	($250,000)
71	LS	WTI Phase 2 Pile at Bent 46L/Slab Bridge Removal	I&A 7/24/07	N/A	Executed 7/20/07	$384,130	
108	LS	Substructure	I&A 6/20/08	Approved 6/18/08	Executed 6/25/08	$5,378,800	
117	FA	Surface Drainage (Southside)	N/A	N/A	Executed 1/6/09	$150,000	
128	LS	20% of Waterline Relocation and Stringer Stiffeners	I&A 8/18/09	N/A	Executed 10/8/09	$177,708	$71,654
128S1	LS	20 % of Waterline Design Mods and Impact Costs	N/A	N/A	Executed 1/20/10	$48,476	
134	LS	20% of Project Wide Electrical Changes	7/7/09	Approved 5/7/09	Executed 8/25/09	$460,185	
196	LS	Revised Electrical Lighting	N/A	N/A	Executed 7/28/09	$11,981	($58,019)
141	LS/FA	Superstructure Construction	I&A 11/13/08	Approved 11/18/08	Executed 11/25/08	$13,200,000	
141S1	ACUP	Superstructure Construction Completion Incentive (Release of Frame 1 Bent Cap FW)	I&A 5/15/09	Approved 5/15/09	Executed 5/15/09	$1,500,000	
143	LS/ID	Civil Work (EB Onramp and Mainline)	I&A 6/11/09	N/A	Executed 7/28/09	$156,436	**($3,618,566)**
143S1	**LS**	**Roadway AC Overrun**	**N/A**	**N/A**	**In Progress**	**$62,249**	
161	LS	T7-Line Detour	I&A 11/10/08	N/A	Executed 11/25/08	$403,965	
168		**Superstructure Design Modifications**		**TBD**	**In Progress**	**$500,000**	
198	Credit/ LS	20% of Job Wide Stripping Plan (WTI Phase 2 Portion)		N/A	Executed 12/14/09	$59,893	($10,212)
202	--	WTI K-rail Deletion and ETI K-rail plans	N/A	N/A	Executed 11/4/09	($42,000)	($42,000)
220	LS	Flashing Becons and Additional Tunnel Lighting	N/A	N/A	Executed 11/19/09	$198,000	$198,000
221	FA	Barrier Rail Transition Cover Plate at B47		N/A	Executed 12/15/09	$25,000	$25,000
235	**FA**	**1/3rd of Detour Traffic Improvements**	**N/A**	**N/A**	**In Progress**	**$100,000**	**$100,000**
Current Status for West Tie-In (Phase 2)						**$18,174,973**	**($3,584,143)**

Budget Status

The Contractor's bid price for the West Tie-In was $9.0M. Based on the Department's December 14, 2006 Strategy Memorandum, the costs associated with the Phase 2 West Tie-In work were estimated to be an additional $13.0M. The June 2009 revised additional cost estimate is $21.8M, with a current projection of $18.2M. CCOs executed to date are $17.5M.

East Tie-In 3

Progress of Work

Bent 52A and skid bent foundation design packages were delivered October 2007. ETI design plans for the skid bents and skid beams were delivered March 15, 2008 and truss plans were delivered April 7, 2008.

Fabrication of the skid bents and skid beams took place at Thompson Metal Fab, Inc. in Vancouver, WA and the fabrication of the truss took place at Stinger Welding Inc. in Coolidge, AZ.

The existing SFPUC sanitary sewer pump station has been relocated with the new pump station up and running. The East Tie-In structure was successfully moved into place and traffic switch onto the detour on September 8, 2009.

Removal of the skid bent towers and beams is in progress.

Status of Contract Change Orders: East Tie-In

CCO	Method of Payment	Description	HQ Status	TBPOC Status	CCO Status	Current Estimate/ Actual Cost	Change from June 09 Approved Budget
63	FA	Advance Engineering (Work Plans and Submittals)	I&A 8/22/07	N/A	Executed 9/27/07	$800,000	
69	LS	Procurement of Pump/Control Panel for Pump Station Relocation	N/A	N/A	Executed 10/10/07	$111,280	
69S1	LS	Construction for Pump and Control Panel for Relocated Pump Station	I&A 12/19/07	N/A	Executed 3/17/08	$499,996	
69S2	LS	Sewer Pump Electrical Changes	I&A 2/25/09	N/A	Executed 4/08/09	$8,953	
92	FA	ETI AT&T Fiber Optic Relocation	N/A	N/A	Executed 12/17/07	$175,000	
93	LS/FA	Lead Paint Mitigation Existing Truss (Span YB-4)	I&A 2/13/08	N/A	Executed 2/20/08	$563,725	($3)
93S1	LS	Additional Lead Abatement at Span YB-4	I&A 6/8/09	N/A	Executed 6/17/09	$347,417	
93S2	LS	Additional Platform Rental and Adjustments	I&A 10/5/09	TBD	Executed 10/8/09	$300,000	$300,000
104	LS	Pier E-1 Access Towers	N/A	N/A	Executed 1/30/08	$150,000	
113	LS	Relocate Waterline in Conflict with Northern Skid Bent Footings	N/A	N/A	Executed 3/17/08	$167,990	
128	LS	20% of Waterline Relocation and ETI Exterior Stringer Stiffeners	I&A 8/18/09	N/A	Executed 10/8/09	$177,708	($128,346)
128S1	LS	20 % of Waterline Design Mods and Impact Costs	N/A	N/A	Executed 1/20/10	$48,476	
137	LS	Pump station Water Tank Demo	N/A	N/A	Executed 6/26/08	$114,490	
90	LS	Bent 52A and Skid Bent Footings and Credits for Eliminated Bid Items 10 and 42	I&A 3/26/08	Approved 4/4/08	Executed 4/14/08	$11,308,380	
97	FA	Bent 52A and Skid Bent Footing's Material Procurement	I&A 11/06/07	N/A	Executed 11/19/07	$850,000	
121	LS	Construct Stage 1 Soil Nail Wall, Upper East Tie-In area	N/A	N/A	Executed 3/17/08	$142,670	
121S1	LS	Construct Stage 2 Soil Nail Wall, Upper East Tie-In area	N/A	N/A	Executed 3/18/09	$518,130	
162	LS	Bent A3 Shoring	I&A 3/30/09	N/A	Executed 4/01/09	$268,235	
180	LS	Skid Bent Footing Backfill at A4-A6 and B4-B6	I&A 5/20/09	N/A	Executed 6/12/09	$237,000	
127	FA	RTU – 8 Service Platform	N/A	N/A	Executed 9/03/08	$75,000	
134	LS	20% of Project Wide Electrical Changes	7/7/09	Approved 5/7/09	Executed 8/25/09	$460,185	
196	LS	Revised Electrical Lighting	N/A	N/A	Executed 7/28/09	$11,981	($58,019)
129	LS	Skid Bent and Truss Steel Erection	I&A 11/05/08	Approved 11/10/08	Executed 11/25/08	$14,712,500	
129S1	LS	Skid Bent and Truss Steel Erection Acceleration	I&A 3/09/09	Approved 3/5/09	Executed 4/01/09	$535,000	
129S2	LS	Skid Bent and Truss Steel Erection Incentive	I&A 6/9/09	Approved 6/4/09	Executed 6/17/09	$1,177,000	
179	LS	ETI Truss Steel Erection Falsework Foundations	I&A 4/20/09	N/A	Executed 4/08/09	$312,000	**$899,940**

234	LS	ETI Skid Bent/Beam Erection Interferences and Guy Cables	N/A	N/A	Executed 1/20/10	$54,120	
236	LS	ETI Truss L8 North FW Redesign (Burried Man Made Object)	N/A	N/A	Executed 1/20/10	$23,940	
181		**Skid Bent/Beam and Truss Erection Support**		**N/A**	**In Progress**	**$500,000**	
206	LS	Skid Bent Steel Erection Closeout Costs	N/A	N/A	Executed 1/20/10	$176,670	
214	LS	ETI Truss Steel Erection Closeout Costs		N/A	Executed 1/20/10	$645,210	
112	FA	Material Procure Skidbent (1532 Tower Legs)	I&A 1/10/08	Approved 2/4/08	Executed 2/19/08	$2,000,000	$249,560
112S1	FA	Material Procure ETI Superstructure	I&A 3/03/08	Approved 3/5/08	Executed 3/17/08	$8,500,000	
112S2	FA	Material Procure ETI Temporary Bypass Structure	I&A 6/04/08	Approved 6/16/08	Executed 6/25/08	$3,500,000	
112S3	FA	Material Procure - Additional Funds	I&A 10/31/08	Approved 11/13/08	Executed 11/25/08	$3,000,000	
112S4	FA	Material Procure - Additional Funds	I&A 7/7/09	Approved 7/15/09	Executed 7/16/09	$1,500,000	
116	FA/LS	Fabricate Superstructure & Skidbent	I&A 6/04/08	Approved 6/16/08	Executed 8/8/08	$14,166,180	
116S1	FA/LS	Skidbeam Design Modifications and Shipping Costs	I&A 12/19/08	Approved 12/23/08	Executed 2/3/09	$1,896,750	
116S2	FA/LS	Skidbeam Design Modifications and Shipping Costs	I&A 7/7/09	Approved 7/15/09	Executed 7/16/09	$300,000	
140	LS	Truss Steel Fabrication	I&A 9/04/08	Approved 9/04/08	Executed 9/23/08	$10,920,525	
140S1	ACUP	Truss Fabrication Incentive	I&A 6/17/09	Approved 9/04/08	Executed 7/6/09	$300,000	
166	LS	Skid Bent & Beam Fabrication Acceleration	I&A 12/22/08	Verbal Approval 11/06/08 Approved 12/23/08	Executed 1/28/09	$2,028,950	
166S1	ACUP	Skid Bent & Beam Fabrication Incentive	I&A 5/15/08	Approved 12/23/08	Executed 5/15/09	$900,000	
167	LS	TMF – Shop Drawing Delay	I&A 3/16/09	N/A	Executed 5/6/09	$632,670	
184	LS	Truss Design Modifications and Acceleration Costs (Partial Payment)	I&A 5/20/09	Approved 6/4/09	Executed 6/12/09	$3,000,000	
184S1	LS	Truss Design Modifications and Acceleration Costs (Partial Payment)	I&A 7/31/09	Approved 8/6/09	Executed 8/11/09	$4,393,420	
187	FA	Temporary Bracing for Truss Exterior Stringers	N/A	N/A	Executed 7/16/09	$150,000	
193	LS	Skid Beam Design Modifications	I&A 7/7/09	N/A	Executed 7/16/09	$256,140	
144	FA	Expansion Joint Mock-up	I&A 8/26/08	N/A	Executed 9/23/08	$850,000	
144S1	FA	Expansion Joint Fabrication	I&A 2/03/08	Approved 2/5/09	Executed 4/06/09	$2,900,000	$1,000,000
144S2	-	Revised Expansion Joint Plan Sheets	N/A	N/A	Executed 8/05/09	$0	
144S3	FA	Additional Funds for Expansion Joints		Approved 11/5/09	Executed 11/24/09	$1,000,000	
231	FA	Expansion Joint Steel Skid Test Plates	N/A	N/A	Executed 12/15/09	$100,000	$100,000
233	LS/FA	Expansion Joint Skid Resistant Treatment	N/A	N/A	Executed 11/17/09	$106,915	$106,915
149	FA	Bearing Fabrication	I&A 11/03/08	Approved 11/10/08	Executed 11/25/08	$1,600,000	$400,000
149S1	FA	Additional FA Funds for Bearing Fabrication / Testing	I&A 10/15/09	N/A	Executed 11/19/09	$400,000	
153	LS	Concrete Deck and barrier starter steel	I&A 6/23/09	Approved 6/4/09	Executed 7/6/09	$2,389,940	($378,266)
154	LS	East Pile Deduct at BW6, East Pile	N/A	N/A	Executed 9/04/08	($400)	

154S1	LS	Pile Anomaly Deduction at A6W & B52A	N/A	Approved 11/13/08	Executed 11/25/08	($2,183)	
160	FA	Existing Truss Retrofit Fabrication	I&A 4/20/09	N/A	Executed 4/08/09	$350,000	
170	LS	Existing Truss Strengthening Erection YB-4	I&A 7/31/09	N/A	Executed 10/08/09	$413,600	($336,400)
175	LS	Existing Truss Strengthening Erection Stability Bracing at YB 3	I&A 7/22/09	N/A	Executed 8/13/09	$311,144	($188,856)
164	LS	ETI Steel Erection Crane Runway Trestle	I&A 11/20/08	ATP 11/14/08 Approved 12/23/08	Executed 12/6/09	$2,700,000	
169	LS	Skid Beam Jobsite Handling and Local Transportation Costs	I&A ½/09	Approved 12/23/08	Executed 2/25/09	$1,095,020	
171	LS	Bridge Roll Out / Roll In	I&A 6/8/09	Approved 6/4/09	Executed 6/17/09	$10,147,370	($328,820)
172	LS	Lead Paint Abatement and Access at YB-3	I&A 12/18/08	N/A	Executed 2/4/09	$210,450	
174	FA	ETI Steel Barrier Rail Transition Fabrication	I&A 5/20/09	N/A	Executed 6/17/09	$350,000	$150,000
174S1	--	ETI Steel Barrier Rail Transition Fabrication Design Changes	N/A	N/A	Executed 11/4/09	$0	
174S2	FA	ETI Steel Barrier Rail Transition Fabrication	I&A 11/5/09	N/A	Executed 11/4/09	$150,000	
177	LS	Span YB-4 Demolition	I&A 9/17/09	Approved 9/2/09	Executed 10/12/09	$11,249,560	$2,007,276
217	LS	Skid Bent Demolition	I&A 10/14/09	Approved 9/18/09	Executed 11/19/09	$3,152,900	
212	LS	YB4 Roll Out Cut Free Demolition	I&A 9/2/09	N/A	Executed 10/08/09	$209,720	
227		**ETI Backfill**		**TBD**	**In Progress**	**$1,000,000**	
186	LS	TMP (Lane Closures and CMS)	***	Approved 6/4/09	Executed 8/25/09	$2,390,910	($609,090)
198	Credit/ LS	20% of Job Wide Stripping Plan (ETI Portion)		N/A	Executed 12/14/09	$59,893	$11,478
235	**FA**	**1/3rd of Detour Traffic Improvements**	**N/A**	**N/A**	**In Progress**	**$100,000**	**$100,000**
	-	**ETI OGAC on Bridge Deck**		**TBD**	**Future**	**$0**	
		District work – road signage, stage construction, SWPPP, Temp k-rail, etc		**TBD**	**Future**	**$268,125**	
204	FA	CCM's Labor Day Support Costs Expansion Joint Seal Installation (previously CCO 189) ETI Steel Barrier Rail Transition Installation (previously CCO 190) Stability Bracing at YBI (Previously CCO 175) Bearing Installation (Previously CCO 191) Barrier Rail Installation (CCO 202 transmitted plans)	I&A 7/14/09	Approved 7/15/09	Executed 8/6/09	$3,500,000	
204S1	**FA**	**Additional Funds (If needed)**		**TBD**	**Future**	**$1,400,000**	
216	FA	Pier E1 Barrier Rail Supports	N/A	N/A	Executed 10/08/09	$175,000	$175,000
225	FA	Steel Double Handling Costs	I&A 9/17/09	N/A	Executed 10/08/09	$500,000	$500,000
207	FA	Field Design Modifications Truss – Fabrication (U1, U8, L1, L8)	I&A 7/16/09	N/A	Executed 7/28/09	$400,000	($874,590)
207S1	FA	Additional Funds to Field Design Modifications Truss – Fabrication (U1, U8, L1, L8)	N/A	N/A	Executed 10/27/09	$100,000	
219	LS	Field Design Modifications Truss – Erection (U1, U8, L1, L8)	I&A 10/8/09	N/A	Executed 11/19/09	$625,410	
Current Status for East Tie-In						**$143,121,065**	**$3,097,779**

Budget Status

The Contractor's bid price to construct the Contractor's design for the East Tie-In was $6.0M with an additional $1.46M to demolish the remaining portion of the ETI YB-4 span. The Department's December 14, 2006 Strategy Memorandum estimated an additional cost of $34.0M to construct the Department's ETI roll out/roll in design concept. At the time, this estimate was based on minimal design information available. The June 2009

revised additional cost estimate is $140.0M, with the current projection at $143.1M. CCOs executed to date are $138.9M.

Yerba Buena Island Transition Structures Advance Foundations

4

Progress of Work

The YBITS foundation and column locations being advanced are W3R/L, W4R/L, W5R/L, W6R/L, W7R/L, W7 Ramp and the temporary E.B. onramp abutment.

W3 3L – substantially completed
3R – column (2nd lift of 2) in progress
W4 4L – substantially completed
4R – column (3rd lift of 3) in progress
W5 5L – 75 of 140 piles driven
5R – driving of shoring piles substantially completed
W6 6L – substantially completed
6R North – column (2nd lift of 2) in progress
6R South – substantially completed
W7 construction of the temporary soil nail wall and soldier pile shoring complete
7L North – substantially complete
7L South – substantially completed
7R – column (2nd lift of 2) in progress
Ramp – substantially completed
EB On-ramp abutment – temporary shoring piles and permanent CIDH piles have been installed

Demolition of the main portion of the old structure (Bent 48 to YB4) is in progress.
Demolition of the old YB-3 span is complete.
Demolition of the old YB-1 and YB-2 spans are in progress.

Status of Contract Change Orders: YBI Transition Structures Advance Foundations

CCO	Method of Payment	Description	HQ Status	TBPOC Status	CCO Status	Current Estimate/ Actual Cost	Change from June 09 Approved Budget
64	FA	YBITS W3L Site Prep and Grading and Construct Access Road	N/A	N/A	Executed 1/8/07	$150,000	
64S1	LS/FA	YBITS W3L Foundation and Column to Splice Zone, Integrated Shop Drawings for W3L, Concrete Washouts, 50% of Flagging, and Traffic Controls	I&A 3/13/07	Approved 2/15/07	Executed 4/4/07	$5,835,000	
65	FA	Demo Exist Bridge Adv. Planning	N/A	Approved 4/14/08	Executed 4/18/08	$175,000	$11,540
65S1	LS	Demolish Exist Bridge (Bent 48 to YB-4)	I&A 4/06/09	Approved 5/7/09	Executed 5/21/09	$9,227,660	
192	LS	Cable Bracing requires for Demolition of Spans YB-1, YB-2, and YB-3	N/A	N/A	Executed 8/13/09	$111,540	
229	FA	Maintenance Traveler Salvage	N/A	N/A	Executed 12/14/09	$100,000	
70	FA	Integrated Shop Drawings for Remaining YBITS Advance Locations (W3R, W4L/R, W5L/R, W6L/R, W7L/R, and W7 Ramp)	I&A 4/04/07	N/A	Executed 5/1/07	$500,000	
70S1	FA	YBITS Advance – ISD 3R, 4R/L, 5R/L, 6R/L, 7R/L & ramp	I&A 1/17/08	N/A	Executed 1/30/08	$450,000	
73	LS	YBITS W3R, W4R, W5R/L, W6R/L, and W7 Ramp Foundations and Columns	I&A 10/24/07	Approved 10/30/07	Executed 11/19/07	$62,958,990	
75	LS	YBITS W7R/L Foundations and Columns	I&A 4/2/08	Approved 4/3/08	Executed 4/14/08	$13,125,000	**($739,190)**
75S1	LS	Bent W7 Structure Backfill	I&A 7/7/09	Approved 7/15/09	Executed 7/31/09	$910,810	
241		**Bent W7 Drainage Modifications**		**N/A**	**In Progress**	**$100,000**	

77	LS	YBITS W4L Foundations and Columns	I&A 6/13/07	Approved 7/27/07	Executed 7/20/07	$7,125,000	
78	FA	Relocation of Sewer Force Main	N/A	N/A	Executed 7/17/07	$125,057	
94	LS	YBITS Temp. EB Onramp Abutment Piles and Shoring	I&A 5/18/09	N/A	Executed 5/21/09	$153,593	($246,407)
118	FA	Vibration & Elev. Monitoring at W5L	N/A	N/A	Executed 2/20/08	$50,000	
118S1	FA/LS/ID	Nimitz House vibration monitoring	N/A	N/A	Executed 8/05/08	$50,050	
120	LS/Credit	CIDH Pile Mitigation Deduct	N/A	N/A	Executed 3/17/08	($400)	
124	FA/LS	Seismic Monitoring & Column Grounding	I&A 10/16/08	N/A	Executed 11/25/08	$353,975	
126	FA	YBITS Excavation / Hazmat Disposal	I&A 4/7/08	Approved 4/3/08	Executed 4/17/08	$500,000	
145	-	Revised Mass Concrete Spec. (Elimination of requirement from CCO's 73 & 75)	7/22/09	N/A	Executed 8/25/09	$0	**($157,000)**
145S1	**Credit**	**Credit for eliminated Mass Concrete Work**		**Current**	**In Progress**	**($657,000)**	
147	LS	Add Cost W4R Foundation Construction	N/A	N/A	Executed 7/21/08	$25,024	
155	FA	Excess Soil Offhaul	I&A 8/13/08	N/A	Executed 9/03/08	$500,000	
159	LS	Redesign Bent W7 Soil Nail Wall	I&A 11/10/08	N/A	Executed 5/21/09	$916,280	
165	LS	W7 Soil Nail Wall Delay Costs	I&A 4/20/09	N/A	Executed 4/08/09	$152,208	
185	FA/ID	HazMat Excavation for Bridge Removal	8/10/09	N/A	Executed 8/25/09	$106,000	$106,000
211	LS	Duct Bank Revisions	N/A	N/A	Executed 8/13/09	$129,152	$34,772
232	LS/FA	Duct Bank Footing Removal & Drain Rock	N/A	N/A	Executed 11/19/09	$105,620	
Current Status for YBI Transition Structures Advance Foundations						**$103,278,559**	**($990,285)**

Budget Status

The Department's December 25, 2006 Strategy Memorandum estimated the cost to construct Bents W3R/L, W4R/L, W5R/L, W6R/L, W7R/L, and W7 Ramp to be $107M. In addition, the temporary E.B. onramp abutment shoring was added at a later date with no estimate revision. The Departments December 14, 2006 Strategy Memorandum estimated the additional demolition costs for the existing bridge (Bent 48 through YB-4) to be $3.5M. The combined estimate for both was $110.5M. The June 2009 revised additional cost estimate is $104.3M with a current projection of $103.3M. Total CCOs executed to date are $103.8M.

Administrative Issues General CCOs 5

Progress of Work

Administrative issues that remain on the YBID contract are related to setting project milestones and determining time related overhead resulting from the contract time extensions, escalation costs, the increased scope of work, and other necessary changes to the contract.

The following list of target milestones has been incorporated into the project schedule. This information will be revised as more detailed schedule information is developed.

	Date	Status	Notes
W3L (foundation and column up to splice zone)	March 15th, 2007	Complete	Finished 3/15/07
West Tie-In Phase 1 Viaduct Demo/Roll-In Complete	September 4th, 2007	Complete	Finished 9/04/07
Access to W3R Available to CCM	January 2nd, 2008	Partial access provided	Coordinating access with SAS
Upper East Tie-In Area Available to CCM (Revised October 2008)	December 2009	Partial access provided	Coordinating access with SAS
East Tie-In Roll-Out/Roll-In Complete (Revised October 2008)	September 7th, 2009	Complete	Finished 9/8/09
Project Completion (Revised July 2009)	December 10, 2010		

The Department has extended TRO compensation at the original contract rate through December 10, 2010. The Contractor has completed a TRO audit. The Department is reviewing this information so that an appropriate TRO adjustment can be negotiated.

The Department continues to pursue a resolution to the remaining NOPC issues. Of the 18 NOPC issues, only three remain outstanding. Of the three it is anticipated that Viaduct CCO #128 will resolve NOPC #6, resolution of the existing structure demolition costs will resolve NOPC #15, and resolution of the TRO costs will resolve NOPC #18.

Status of Contract Change Orders: Administrative Issues

CCO	Method of Payment	Description	HQ Status	TBPOC Status	CCO Status	Current Estimate/ Actual Cost	Change from June 09 Approved Budget
1 S2	FA	Flagging & Traffic Control	N/A	N/A	Executed 12/5/07	$200,000	
1S3	FA	Flagging & Traffic Control	N/A	N/A	Executed 7/2/08	$300,000	
1S4	FA/LS	Flagging & Traffic Control	N/A	N/A	Executed 7/9/09	($57,580)	($57,580)
13S1	FA	PMIV Additional Funds	I&A 3/10/08	N/A	Executed 3/17/08	$300,000	
39S1	FA	Additional Funds for Shuttle Service to USCG	I&A 3/18/09	N/A	Executed 3/30/2009	$500,000	
45 S1	LS	Additional SWPPP	I&A 12/14/07	N/A	Executed 1/31/08	$350,000	
51	LS	NOPC 12 & 13 Resolution	N/A	N/A	Executed 8/17/06	$25,234	
52	0	Elimination of Contractor's Design of Tie-Ins	I&A 1/19/07	N/A	Executed 3/2/07	$0	
53	FA	Handling and Storage of Material	I&A 11/06/06	N/A	Executed 12/8/06	$240,000	
56	LS	Contractor's Design additional cost… Resolved NOPCs 2,3,4,8,9,10,11,14, and 16	I&A 2/20/08	Approved 3/5/08	Executed 3/17/08	$6,837,310	
57	LS	Demolition of Building 206	N/A	N/A	Executed 10/18/06	$22,378	
57S1	LS	Remove and Clear Building 254	N/A	N/A	Executed 6/4/07	$10,572	
66S1	FA	Video/Photo Documentation Services Supplemental Funds	N/A	N/A	Executed 4/14/08	$200,000	
66S2	FA	Video/Photo Documentation Services Supplemental Funds	I&A 9/17/09	N/A	Executed 9/22/09	$200,000	
86	LS	Additional Suspension Costs	N/A	N/A	Executed 5/19/08	$42,764	
91	LS	Contract Days Extension/TRO Compensation to November 08	RPP 8/28/07	TBD	Executed 10/31/07	$1,818,948	
91 S1	LS	Base Contract TRO Extension to September 1, 2009	I&A 10/25/07	Approved 10/30/07	Executed 11/16/07	$8,463,159	
91 S2	LS	Base Contract TRO Extension to December 10, 2010	I&A 9/2/09	Approved 7/15/09	Executed 10/08/09	$5,494,737	
114		Global TRO Audit	N/A	N/A	Executed 1/20/10	$30,000	
		Global TRO Adjustment		**TBD**	**In Progress**	**$6,475,263**	
96	FA	SWPPP Steep Slope Stabilization Measures	N/A	N/A	Executed 1/4/08	$190,000	
96S1	FA	Add Funds Shotcrete Slope at Bent 48	N/A	N/A	Executed 7/2/08	$40,000	
109	FA	MEP Coordination	N/A	N/A	Executed 1/30/08	$100,000	
110	FA	Geotech. Exploration Pads and Support	N/A	N/A	Executed 2/20/08	$150,000	
119	FA/LS/ID/ UP	Project Wide SWPPP	I&A 4/07/08	N/A	Executed 4/17/08	$638,939	
119S1	FA	Project Wide SWPPP (Additional Funds)	I&A 9/2/09	N/A	Executed 9/3/09	$300,000	$300,000
119S2	FA	Project Wide SWPPP (Additional Funds)	I&A 12/17/09	Approved	Executed	$850,000	$850,000

				12/5/09	12/21/09		
123	FA	Treasure Island Yard Lot Rental	I&A 4/16/08	N/A	Executed 4/17/08	$600,000	$350,000
123S1	FA	Additional Funds for Treasure Island Yard Lot Rental	I&A 10/8/09	N/A	Executed 10/26/09	$350,000	
125	FA	Project Access Paving	N/A	N/A	Executed 4/04/08	$150,000	
125S1	FA	Additional Funds, Project Access Paving	I&A 6/12//08	N/A	Executed 6/25/08	$35,000	
130	LS	Project Retention	I&A 4/07/08	N/A	Executed 4/14/08	$136,510	
131	FA	Delete Permanent Erosion Control Items	N/A	N/A	Executed 5/6/09	($74,502)	
132	LS	Storm Damage Slope Repair (Resolved NOPC 17)	N/A	N/A	Executed 5/23/08	$23,870	
139	-	Revised ESA's	N/A	N/A	Executed 5/23/08	$0	
142	FA	Macalla Road Sinkhole Repair	N/A	N/A	Executed 7/18/08	$150,000	
146	FA	Macalla Road Tree Trimming	N/A	N/A	Executed 7/21/08	$50,000	
146S1	FA	Add Funds Macalla Road Tree Trimming	N/A	N/A	Executed 11/25/08	$50,000	
151	-	Public Safety Spec Change (Suspended Load)	N/A	N/A	Executed 9/23/08	$0	
157	FA	USCG Access Mitigation Stairway Design to Quarters Above		N/A	Executed 1/28/09	$150,000	
176	FA	Construction Staking	N/A	N/A	Executed 4/08/09	$100,000	
		Non CCO Charges…COZEEP, lead survey, respirator training			**In Progress**	**$1,323,000**	
182	FA	USCG use parking lots at WTI area Quarters 8		N/A	Executed 1/20/10	$180,000	($120,000)
188	-	Sound Control Requirements, pile driving restrictions (Specification Only)	6/23/09	N/A	Executed 8/25/09	**$142,500**	**$42,500**
188S1	**LS**	**Sound Control Impacts to W6 & W7 Pile Driving**		**N/A**	**In Progress**		
195	FA	USCG Stair Access to Quarters 9 along Goat Slope	7/31/09	N/A	Executed 8/25/09	$500,000	**$150,000**
195S1	**FA**	**USCG Stairway additional funds**		**N/A**	**In Progress**	**$450,000**	
203	LS	SSD Base Camera's	N/A	N/A	Executed 10/08/09	$196,884	($503,116)
208	-	Permanent Gawk Screen on North Side Detour Rail – CCO Deleted				$0	($200,000)
		PIO Office Labor Day Outreach		**N/A**	**In Progress**	**$200,000**	
		Macalla Road Repairs		**N/A**	**In Progress**	**$200,000**	
224	FA	Treasure Island Material Storage Yard	I&A 9/17/09	N/A	Executed 10/08/09	$400,000	$400,000
230	FA	USCG Shuttle for WB Onramp Closure	I&A10/29/09	N/A	Executed 11/19/09	$600,000	$600,000
237	**LS**	**Temporary Trestle Extended Rental**		**N/A**	**In Progress**	**$250,000**	**$250,000**
239		**Truck accident Clean up(11-9-09)**		**N/A**	**In Progress**	**$55,263**	**$55,263**
240	**LS**	**Mainline Night Lane Closures**	**I&A1/26/10**	**N/A**	**In Progress**	**$948,040**	**$1,974,780**
240S1	**LS**	**Additional Night Lane Closures**		**TBD**	**In Progress**	**$1,026,740**	
Current Status for Administrative and General CCOs						**$41,915,029**	**$4,091,847**

Budget Status

As of June 2009 the revised additional cost estimate for Time Related Overhead, escalation issues, and job wide changes is $37.8M with the largest estimated cost being attributed to a global TRO adjustment. As Contract Change Orders for these items are negotiated, this estimate will be updated. Costs related to settlement of NOPC issues not captured here will be paid out of the contract contingency.

Total CCOs executed to date are $30.8M.

TOLL BRIDGE PROGRAM OVERSIGHT COMMITTEE
CALTRANS · BAY AREA TOLL AUTHORITY · CALIFORNIA TRANSPORTATION COMMISSION

Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC) **DATE:** February 3, 2010

FR: Jon Tapping, Manager, Risk Management, Caltrans

RE: Agenda No. - 4a

Item- Program Issues
TBSRP Risk Management Update

Recommendation:
For Information Only

Cost:
N/A

Schedule Impacts:
N/A

Discussion:
The Q4 2009 risk management results have been presented in an earlier TBPOC teleconference. This risk management presentation focuses mainly on Q4 2009 opportunities and a look ahead to Q1 2010.

Attachment(s):
Risk Management Briefing, Q4 2009 Update, presentation

Risk Management Briefing

TOLL BRIDGE PROGRAM
OVERSIGHT COMMITTEE

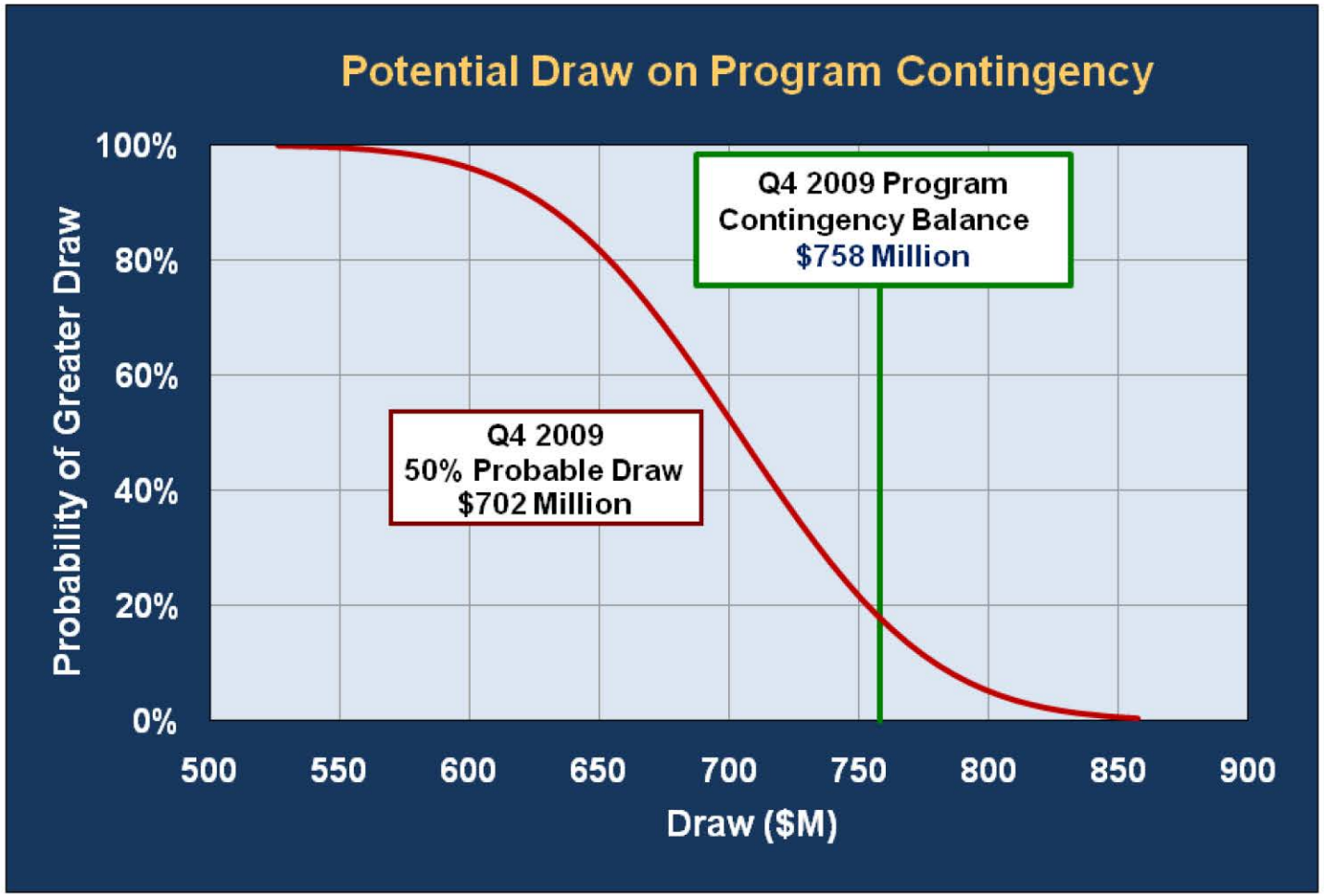
CALTRANS BAY AREA TOLL AUTHORITY CALIFORNIA TRANSPORTATION COMMISSION

Q4 2009 Update

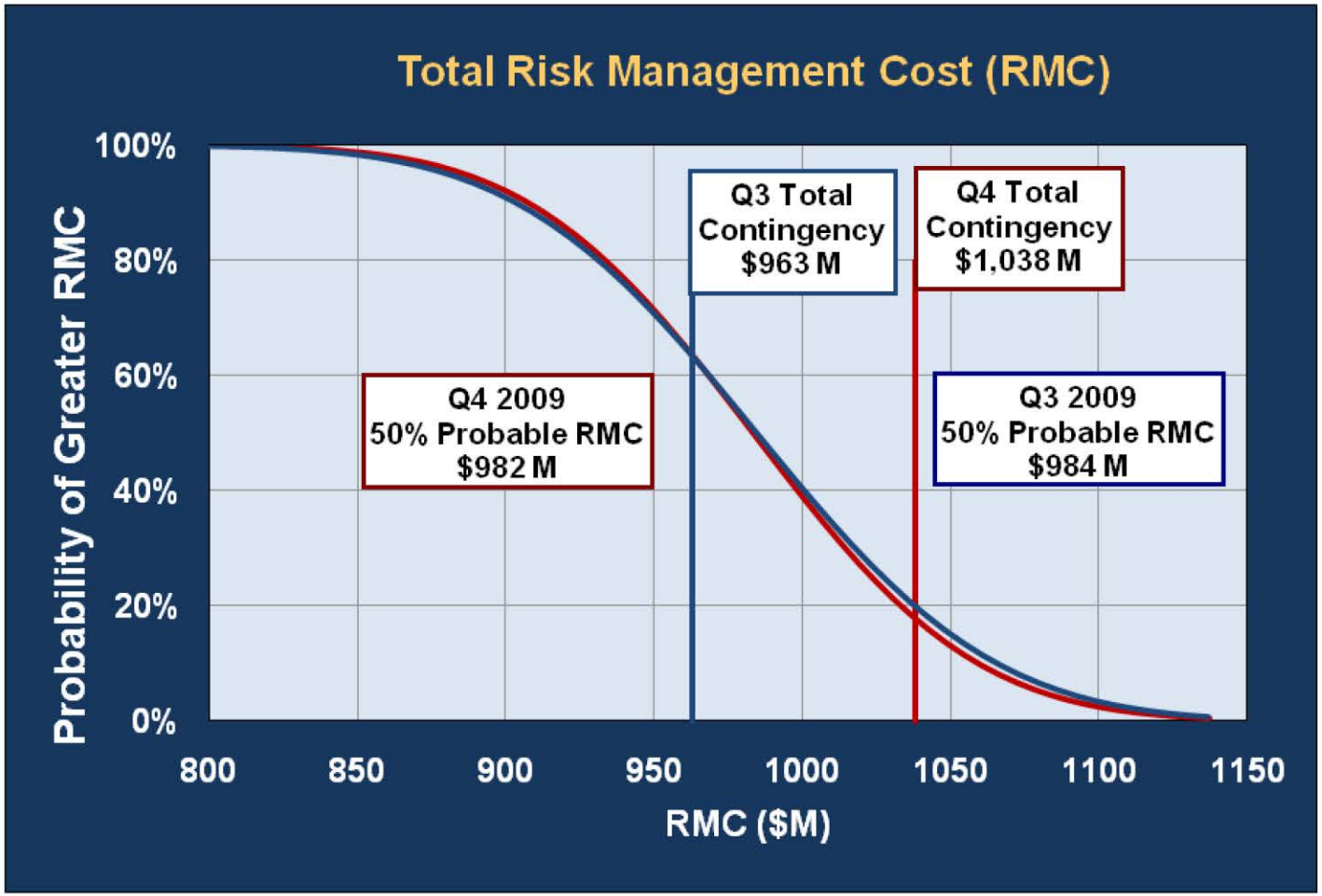
Q4 2009 Risk Management Results

	50% Probable Risk Management Cost				Q4 RMC Range	
	Q4 2009	**Q3 2009**	**Change**	**% Change**	*10% Probable*	*90% Probable*
OTD1 Westbound	4,791,000	6,516,000	(1,725,000)	-26%	2,488,000	7,092,000
OTD2 Eastbound	19,264,000	17,890,000	1,374,000	8%	15,800,000	22,730,000
Self-Anchor Suspension	369,442,000	440,788,000	(71,346,000)	-16%	312,956,000	428,170,000
YBI Detour	17,770,000	21,223,000	(3,453,000)	-16%	12,773,000	22,767,000
YBI#1 Mainline Structures	44,896,000	59,975,000	(15,079,000)	-25%	36,806,000	52,986,000
YBI#2 Post Traffic Switch	21,855,000	18,597,000	3,258,000	18%	17,697,000	25,999,000
Total East Span	**478,018,000**	564,989,000	(86,971,000)	-15%	**420,450,000**	**537,814,000**
Program-level risks (not in a contract)	192,742,000	98,300,000	94,442,000	96%	150,244,000	235,374,000
Corridor CO Risks	**670,760,000**	663,289,000	7,471,000	1%	**599,447,000**	**744,435,000**
COS Risks	**311,400,000**	320,300,000	(8,900,000)	-3%	**288,973,000**	**333,827,000**
Total Program Risks	**982,160,000**	983,589,000	(1,429,000)	0%	**907,457,000**	**1,059,225,000**
Draw on Program Contingency	702,460,000	710,489,000	(8,029,000)	-1%	627,757,000	779,525,000

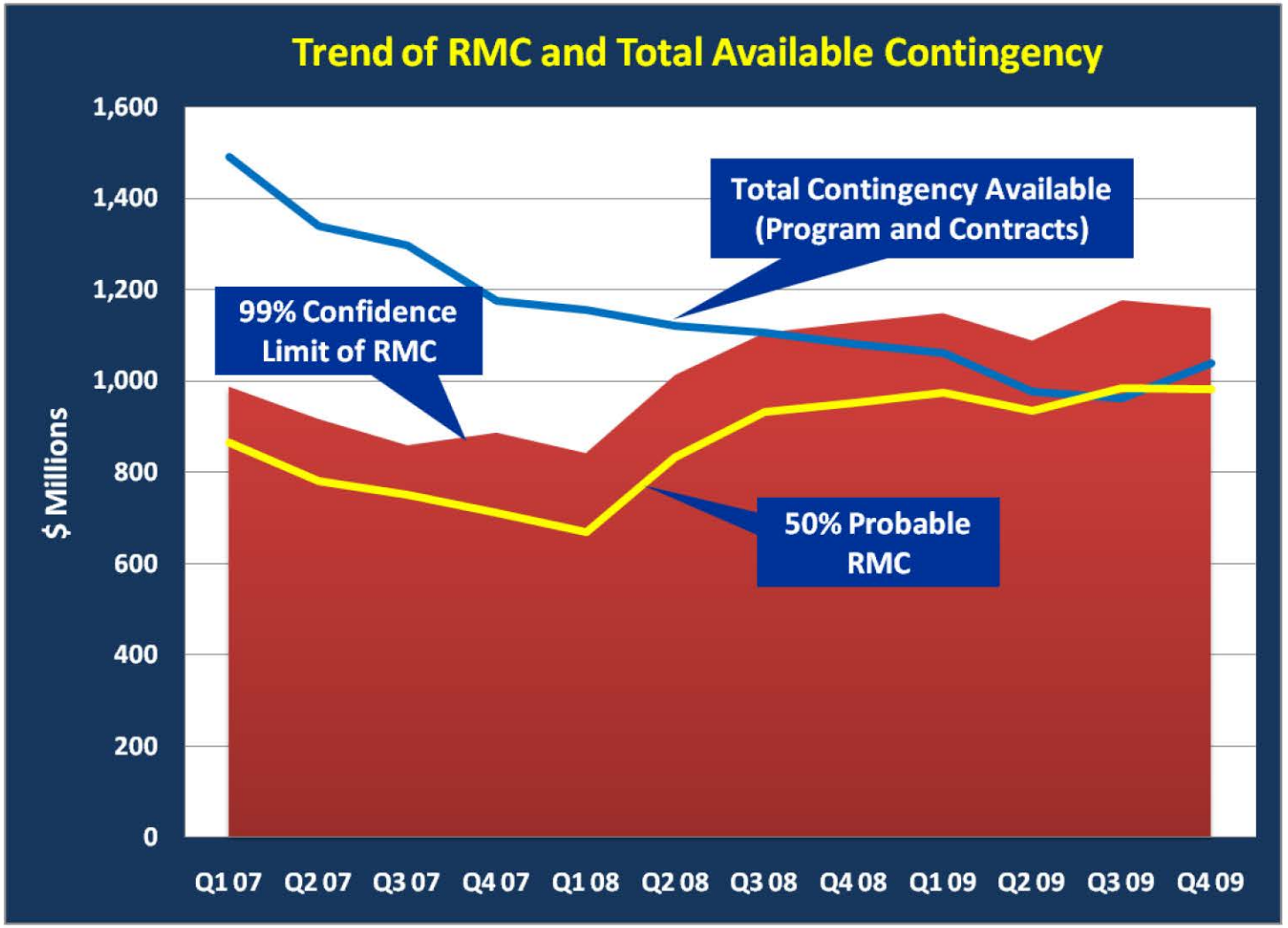
Q4 2009 Draw on Program Contingency



Q4 2009 RMC and Total Contingency



Q4 2009 Risk Management Trends



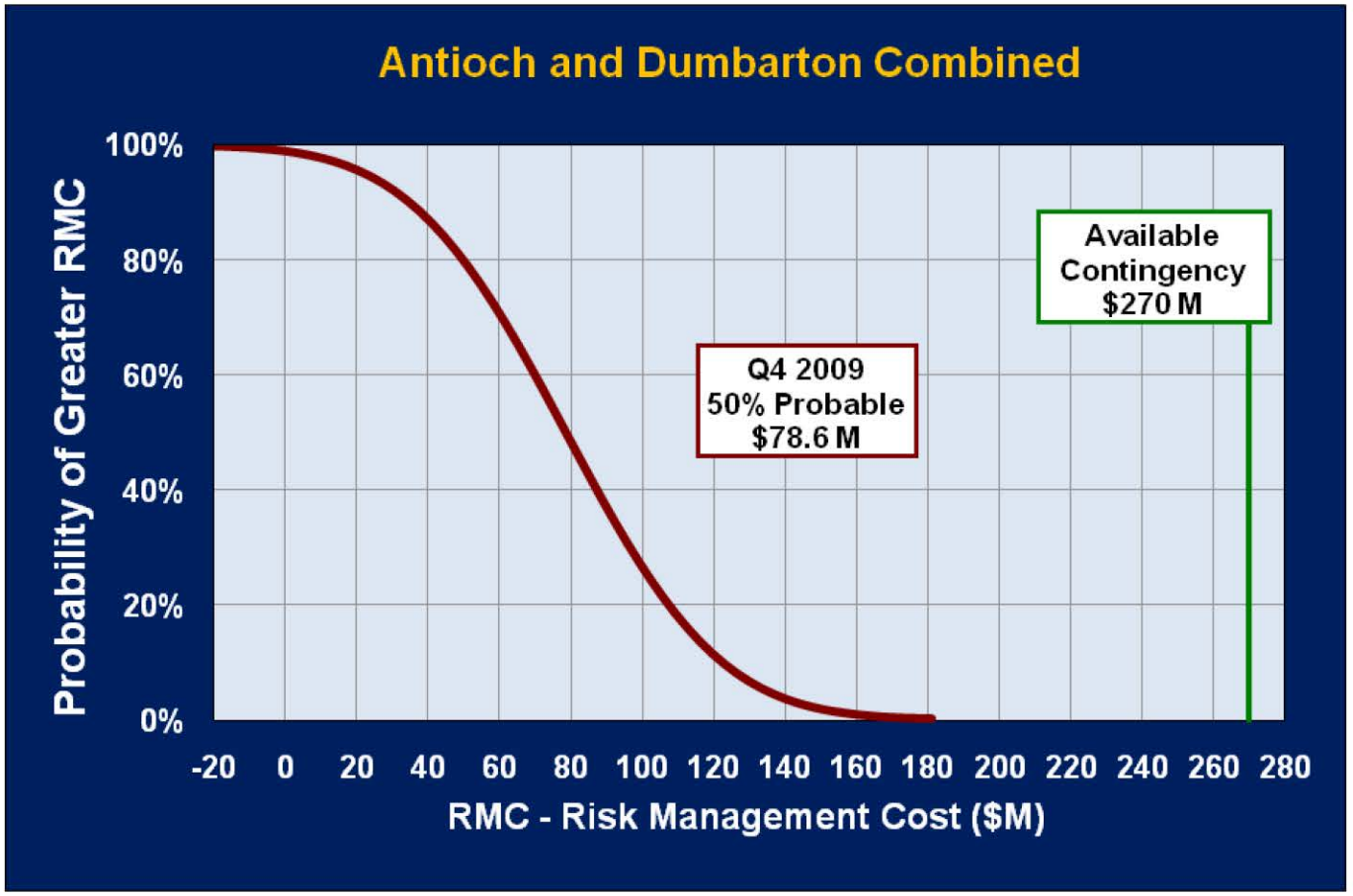
Look ahead – Q1 2010

Antioch & Dumbarton Combined

	Antioch ($M)	Dumbarton ($M)	Total ($M)
A. Budget	267	483	750
B. Construction Cost Estimate	98	195	403
C. Contingencies in RMC (note)	10	20	30
D. COS Estimate	39	95	134
E. Mitigation Costs	13	10	23
Available Contingency (A-B-C-D-E)	107	163	**270**

Note: The $750 million includes $110 million in contingencies. At the time of the risk assessment, the contingencies totaled $30 million. The $30 million is included in the RMC curve (next slide).

Look ahead – Q1 2010



TOLL BRIDGE PROGRAM OVERSIGHT COMMITTEE
CALTRANS · BAY AREA TOLL AUTHORITY · CALIFORNIA TRANSPORTATION COMMISSION

Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC) **DATE:** February 3, 2010

FR: Andrew Fremier, Deputy Director, BATA

RE: Agenda No. - 4b
Item- Program Issues
Gateway Park Update

Recommendation:
For Information Only

Cost:
N/A

Schedule Impacts:
N/A

Discussion:
The Gateway Park Working Group (consisting of nine partner agencies) will host its first public workshop on the Gateway Park project, as follows:

DATE:	Thurs, February 25, 2010
TIME:	5:00 – 9:00pm
LOCATION:	MTC Auditorium, 101 Eighth Street, Oakland

Attached are the postcard invitation, which is being sent to approximately 3,000 West Oakland residents, and the email invitation that is being sent to approximately 500 stakeholders.

We are approximately one-third of the way into the 18-month Gateway Park Project Study Report effort. This is the first of two public workshops to be held. The purpose of this workshop is to introduce the project to the public and stakeholders, and to solicit input on the draft goals, objectives and programmatic ideas for the park. The second workshop will present the draft alternatives to the public.

Attachment(s):

1. Gateway Park invite/ postcard
2. Gateway Park evite

Be at the first workshop, learn about the site, and record your goals for the park.

Gateway Park Public Workshop
Inviting Ideas and Goals for the Park

Thursday, February 25, 2010
5:00 p.m. – 9:00 p.m.

5:00 – 6:30 p.m. Review display materials, chat with the team, and share your ideas
6:30 – 9:00 p.m. Presentations and workshop

Joseph P. Bort MetroCenter, Dahms Auditorium
101 Eighth Street, Oakland, CA
(across from the Lake Merritt BART Station)

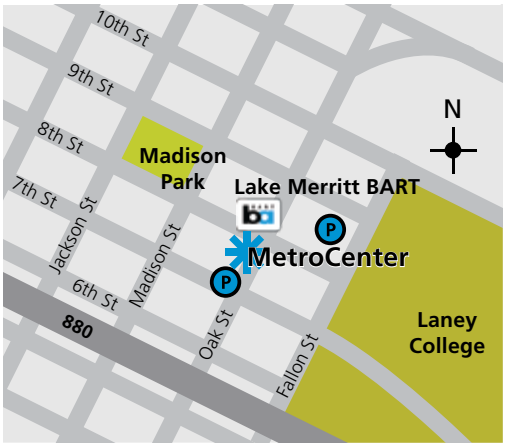
printed on recycled paper

gatewaypark

JOIN US TO ENVISION **GATEWAY PARK**

Gateway Park will offer a memorable new entry to Oakland and the East Bay, a new park of history, beauty, and inspiration, and an access point for pedestrians and cyclists crossing the new Bay Bridge East Span. With your input, the site has the potential to be one of the most visited places in the Bay Area. Please join us as we get to know the site and its surroundings, tackle its challenges, and form a vision for a magnificent new Bay Area destination. From February to September 2010, we will agree on goals, identify activities essential to the park, consider early design concepts, and set forth the key steps toward design, engineering, funding, and construction.

gatewaypark public workshop



A waterfront park will celebrate a new world-class bridge on the Bay.

A new launch point will begin one of the most spectacular bike and pedestrian experiences in the world.

Take a front row seat to the port and its global connections.

Experience the Bay – its power, promise, history, and beauty.

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Light refreshments provided. *RSVPs are appreciated:*
Web response form www.BayBridgeGatewayPark.org/involved.htm
E-mail contact@BayBridgeGatewayPark.org
Call 510.817.5988

For additional information, please visit the Gateway Park website at www.BayBridgeGatewayPark.org.

Please share this invitation with others. To plan your transit trip to the workshop, please visit 511.org or call 511.

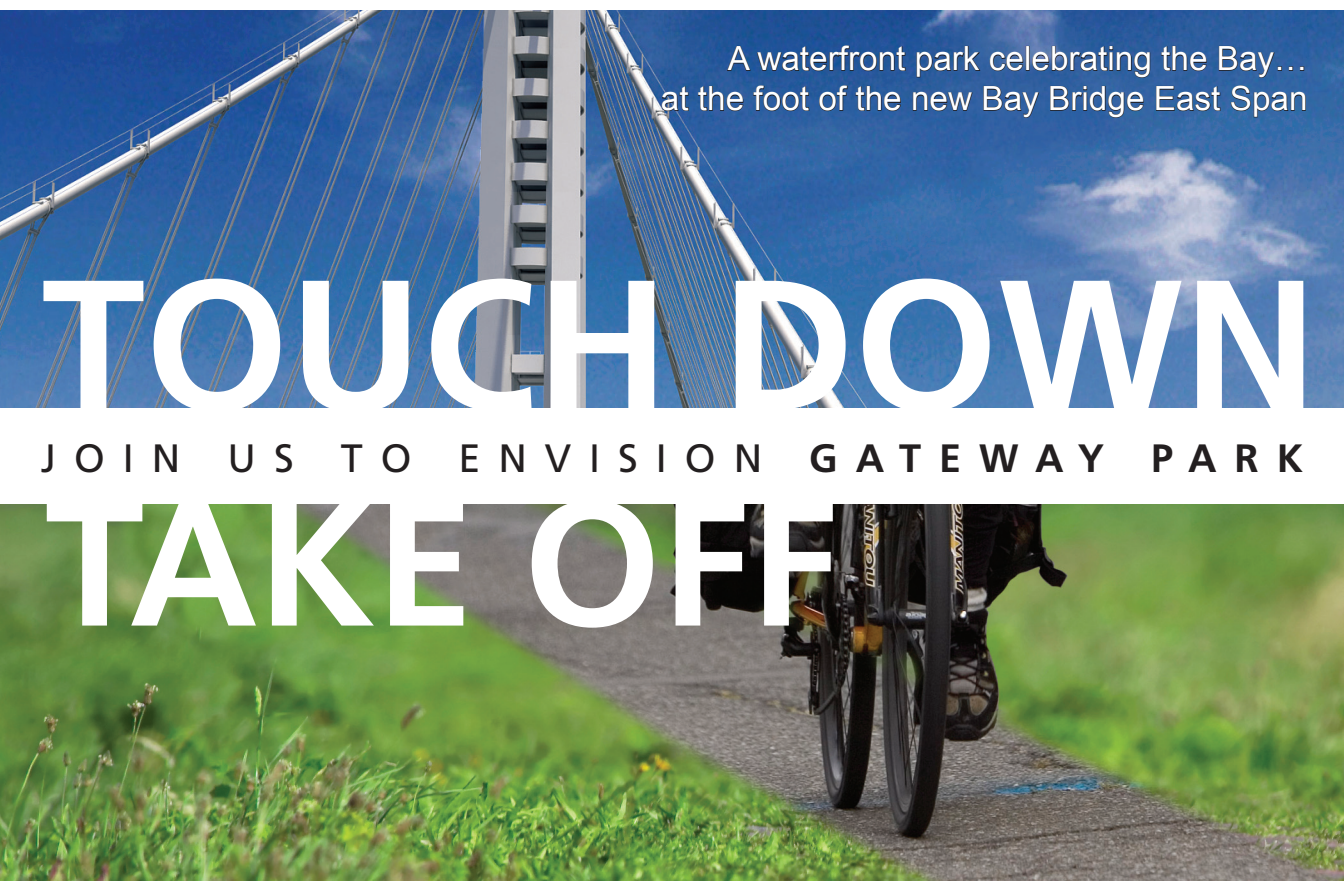
For a sign language interpreter or ADA accommodations, please notify us five days in advance — call 510.817.5988 or e-mail us at contact@BayBridgeGatewayPark.org.

Gateway Park Area

The Gateway Park Working Group includes: Bay Area Toll Authority (BATA), Caltrans, Bay Conservation and Development Commission (BCDC), California Transportation Commission (CTC), East Bay Regional Park District (EBRPD), City of Oakland, Port of Oakland, East Bay Municipal Utility District (EBMUD), and Association of Bay Area Governments' (ABAG) Bay Trail Project.

Gateway Park Public Workshop

Inviting Ideas and Goals for the Park



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Experience the Bay – its power, promise, history, and beauty.

Over 10 years ago, the Bay Bridge design team identified a unique opportunity to create a park that provides a memorable gateway to Oakland and the East Bay and offers an unprecedented way to experience the Bay and the new bridge.

The new Bay Bridge East Span, currently under construction, will offer one of the most spectacular bicycle and pedestrian experiences in the world, connecting Oakland to Yerba Buena Island. Gateway Park will be a starting point for that journey.

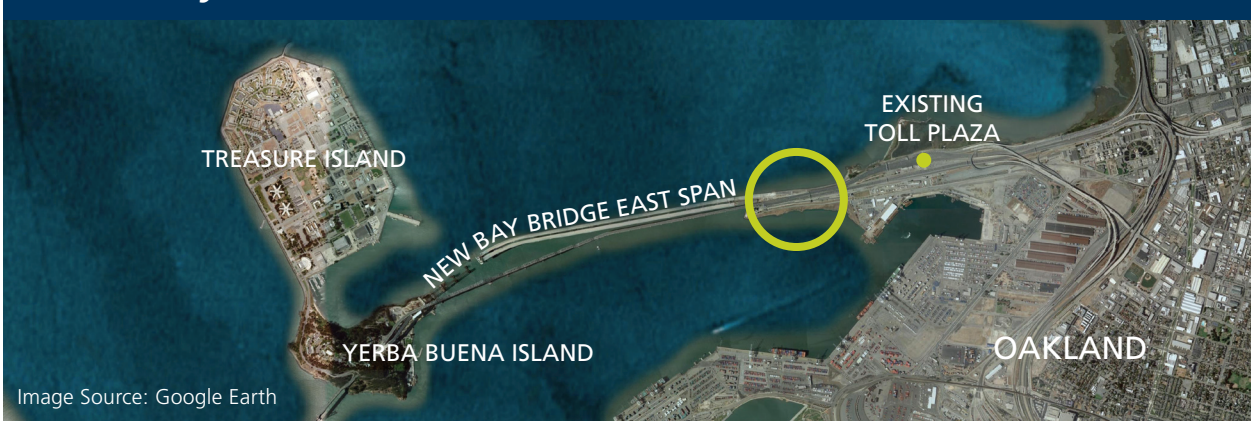
Representatives of nine agencies are working to explore the possibilities of a new park for local residents, commuters, businesses, international travelers, visitors, environmentalists, boaters, cyclists, and more.

From February to September 2010, we will agree on goals, target activities essential to the park, and consider early design concepts. At the end of this phase of work, a Project Study Report will lay out the bold ideas and multiple coordinated steps to the realization of Gateway Park. The report will also set forth the key steps for the next phases: design, engineering, funding, and construction. With the completion of the Bay Bridge East Span targeted for 2013, this is the time to consider ideas, cultivate innovative approaches, and design a park worthy of the site's unique character. Two public workshops will consider how Gateway Park may benefit the health, economic vitality, and quality of life for those in the region.

The first public workshop will be held on Thursday, February 25, 2010, from 6:00 p.m. to 9:00 p.m., to begin that open planning process. All are welcome to attend. We hope that you can join us as we get to know the site, tackle its challenges, and form a vision for a magnificent new Bay Area destination (see above for details).

The Gateway Park Working Group, a consortium of nine agencies working together to bring about this new world-class park, consists of representatives from the Bay Area Toll Authority (BATA), Caltrans, Bay Conservation and Development Commission (BCDC), California Transportation Commission (CTC), East Bay Regional Park District (EBRPD), City of Oakland, Port of Oakland, East Bay Municipal Utility District (EBMUD), and Association of Bay Area Governments' (ABAG) Bay Trail Project.

Gateway Park Area



We welcome your involvement and invite you to share this information with others. For more information or to request future updates about the project, please contact us in one of three ways:

Visit the Gateway Park website at **www.BayBridgeGatewayPark.org**
E-mail us at **contact@BayBridgeGatewayPark.org**
Call **510.817.5988**

THE GATEWAY PARK WORKING GROUP

BAY AREA TOLL AUTHORITY · Caltrans · STATE OF CALIFORNIA CALIFORNIA TRANSPORTATION COMMISSION · bcdc Making San Francisco Bay Better · East Bay Regional Park District

CITY OF OAKLAND · PORT OF OAKLAND · EBMUD · SAN FRANCISCO Bay Trail

TOLL BRIDGE PROGRAM OVERSIGHT COMMITTEE
CALTRANS · BAY AREA TOLL AUTHORITY · CALIFORNIA TRANSPORTATION COMMISSION

Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC) **DATE:** February 3, 2010

FR: Andrew Fremier, Deputy Director, BATA

RE: Agenda No. - 5a

Item- Progress Reports
Final TBSRP Fourth Quarter 2009 Project Progress and Financial Update/ Annual Progress Report 2009

Recommendation:
For Information Only

Cost:
N/A

Schedule Impacts:
N/A

Discussion:
Included in this package is the final Fourth Quarter 2009 Project Progress and Financial Update/ Annual Progress Report 2009, for information. The report is scheduled for distribution on February 16, 2010.

Attachment(s):
Final Toll Bridge Seismic Retrofit and Regional Measure 1 Programs Annual Progress Report 2009 (see end of binder)

Toll Bridge Seismic Retrofit and
Regional Measure 1 Programs

2009 Fourth Quarter Project Progress and Financial Update

Draft
Proposed Final

TOLL BRIDGE PROGRAM
OVERSIGHT COMMITTEE

CALTRANS BAY AREA TOLL AUTHORITY CALIFORNIA TRANSPORTATION COMMISSION

Released: January 2010

YTBITS Columns W6S and W7S Looking West

Toll Bridge Program Oversight Committee
Department of Transportation
Office of the Director
1120 N Street
P.O. Box 942873
Sacramento, CA 94273-0001

February 11, 2010

Mr. Gregory Schmidt
Secretary of the Senate
State Capitol, Room 3044
Sacramento, CA 95814

Mr. E. Dotson Wilson
Chief Clerk of the Assembly
State Capitol, Room 3196
Sacramento, CA 95814

Dear Messrs. Schmidt and Wilson:

The Toll Bridge Program Oversight Committee (TBPOC) is pleased to submit the 2009 Fourth Quarter Toll Bridge Seismic Retrofit Program Report, prepared pursuant to California Streets and Highways Code Section 30952. The TBPOC is tasked to perform project oversight and control over the Toll Bridge Seismic Retrofit Program (TBSRP) and comprises the Director of the Department of Transportation (Caltrans), the Executive Director of the Bay Area Toll Authority (BATA), and the Executive Director of the California Transportation Commission (CTC). This fourth quarter report includes project progress and activities for the Toll Bridge Seismic Retrofit Program through December 31, 2009.

On the San Francisco-Oakland Bay Bridge East Span Seismic Replacement Project, the first eight deck sections for the Self-Anchored Suspension (SAS) Span left Shanghai, China on December 30, 2009 and arrived in the Bay Area on January 20, 2010. This initial shipment of deck sections is a major step forward, as fabrication has been delayed due to welding repairs and other issues. While the first shipment is more than a year late, we continue to actively mitigate these delays to achieve the opening of the new East Span in 2013.

Also as part of the new East Span, bids were opened for the Yerba Buena Island Transition Structure (YBITS) Contract #1 in December 2009. The low bid of $81 million was $53 million less than the engineer's estimate and was awarded on February 4, 2010. The bid savings will be made available to the program contingency. The YBITS contract involves building the superstructure and road decks from the SAS Span to the Yerba Buena Island tunnel. Currently, construction crews are working hard to demolish the original approach to the tunnel by spring 2010 to make way for the YBITS. Construction of the YBITS is anticipated to begin in the summer of 2010.

In October 2009, the short-term repair for the fractured eyebar discovered on the Bay Bridge during the September 2009 Labor Day Weekend bridge closure failed and fell to the upper deck of the bridge. Fortunately, there were no injuries. The bridge was again closed to allow construction crews to repair and enhance the short-term fix to increase its resilience until a long-term repair could be installed and to prevent pieces from falling should it fail again. By December, crews were out again on the bridge to install a long-term repair by splicing on a new head to the failed eyebar. Work was performed at night without requiring any bridge closure and completed on December 28, 2009. This long-term repair would not have been possible without the short-term repair in place, preserving the safety and integrity of the bridge until its planned closure in 2013 and requiring significantly less maintenance and inspection.

We continue to make progress on other bridges. The contract for the seismic retrofit of the Antioch Bridge has been advertised, and we anticipate advertising the seismic retrofit of the Dumbarton Bridge in March 2010. These projects were incorporated into the TBSRP effective on January 1, 2010 per AB 1175. BATA has taken action to raise tolls on the state-owned Bay Area toll bridges to fund these projects. The increases will go into effect in the summer of 2010 and for the first time will include tolls for carpoolers and congestion pricing on the Bay Bridge.

The TBPOC is committed to providing the Legislature with comprehensive and timely reporting on the TBSRP. If there are any questions, or if any additional information is required, please do not hesitate to contact the members of the TBPOC.

Sincerely,

STEVE HEMINGER
TBPOC Chair
Executive Director
Bay Area Toll Authority

BIMLA RHINEHART
TBPOC Vice-Chair
Executive Director
California Transportation Commission

RANDELL IWASAKI
Director
California Department of Transportation

TOLL BRIDGE PROGRAM
OVERSIGHT COMMITTEE

CALTRANS BAY AREA TOLL AUTHORITY CALIFORNIA TRANSPORTATION COMMISSION

Toll Bridge Program Oversight Committee
Department of Transportation
Office of the Director
1120 N Street
P.O. Box 942873
Sacramento, CA 94273-0001

February 11, 2010

Mr. Bob Alvarado, Chair
California Transportation Commission
1120 N Street, Room 2221
Sacramento, CA 95814

Mr. James Earp, Vice-Chair
California Transportation Commission
1120 N Street, Room 2221
Sacramento, CA 95814

Dear Commissioners Alvarado and Earp:

The Toll Bridge Program Oversight Committee (TBPOC) is pleased to submit the 2009 Fourth Quarter Toll Bridge Seismic Retrofit Program Report, prepared pursuant to California Streets and Highways Code Section 30952. The TBPOC is tasked to perform project oversight and control over the Toll Bridge Seismic Retrofit Program (TBSRP) and comprises the Director of the Department of Transportation (Caltrans), the Executive Director of the Bay Area Toll Authority (BATA), and the Executive Director of the California Transportation Commission (CTC). This fourth quarter report includes project progress and activities for the Toll Bridge Seismic Retrofit Program through December 31, 2009.

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STEVE HEMINGER
TBPOC Chair
Executive Director
Bay Area Toll Authority

BIMLA RHINEHART
TBPOC Vice-Chair
Executive Director
California Transportation Commission

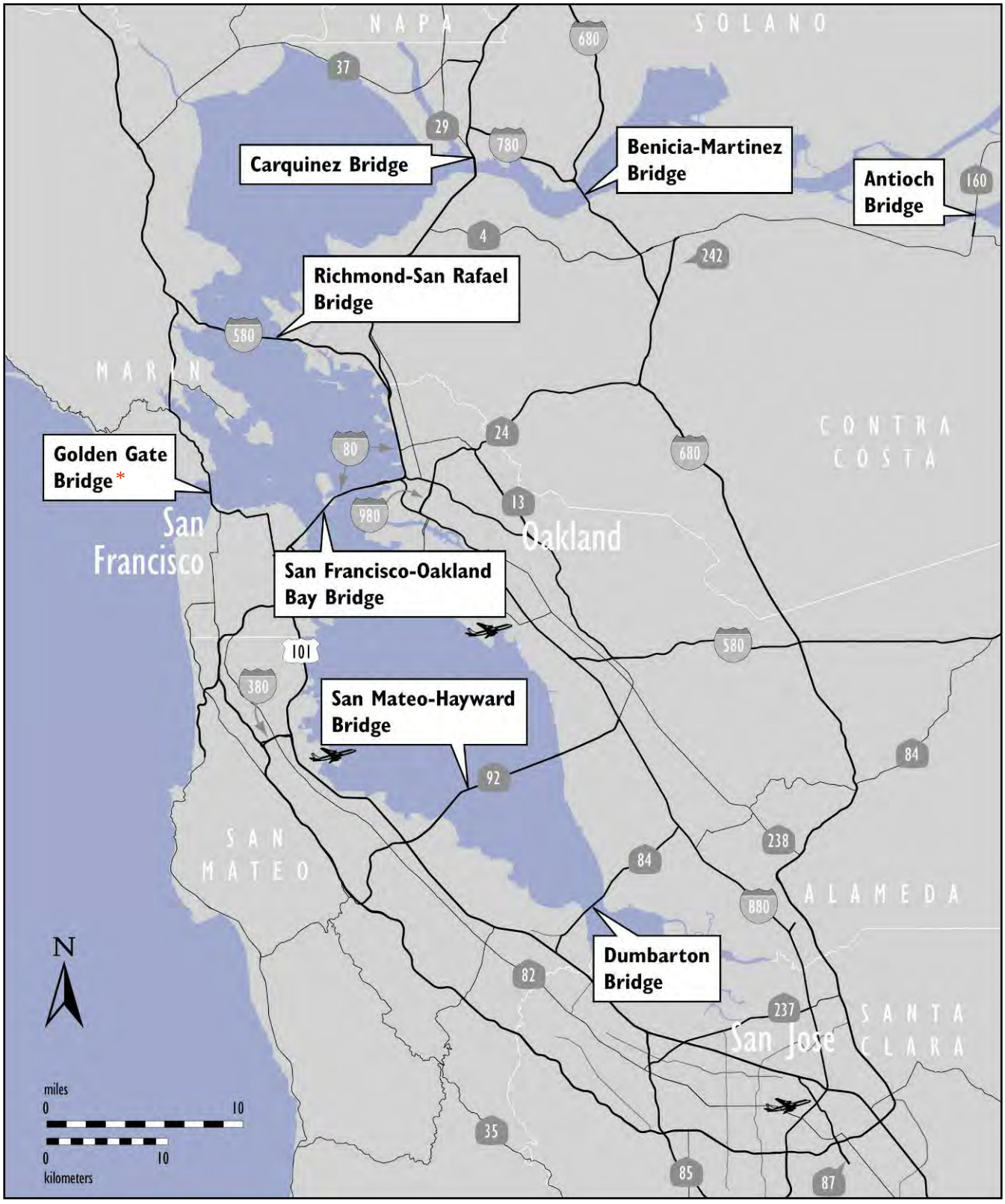
RANDELL IWASAKI
Director
California Department of Transportation

Shear-Leg Barge Crane in Lifting Position

Architectural Rendering of Self-Anchored Suspension Bridge and the Skyway

Table of Contents

Map of Bay Area Toll Bridges



* The Golden Gate Bridge is owned and operated by the Golden Gate Bridge, Highway, and Transportation District.

Introduction

In July 2005, Assembly Bill (AB) 144 (Hancock) created the Toll Bridge Program Oversight Committee (TBPOC) to implement a project oversight and project control process for the Benicia-Martinez Bridge and State Toll Bridge Seismic Retrofit Program projects. The TBPOC consists of the Caltrans Director, the Bay Area Toll Authority (BATA) Executive Director and the Executive Director of the California Transportation Commission (CTC). The TBPOC's project oversight and control processes include, but are not limited to, reviewing bid specifications and documents, providing field staff to review ongoing costs, reviewing and approving significant change orders and claims in excess of $1 million (as defined by the Committee) and preparing project reports.

AB 144 identified the Toll Bridge Seismic Retrofit Program and the new Benicia-Martinez Bridge Project as being under the direct oversight of the TBPOC. The Toll Bridge Seismic Retrofit Program includes:

Toll Bridge Seismic Retrofit Projects	Seismic Safety Status
San Francisco-Oakland Bay Bridge East Span Replacement	Construction
San Francisco-Oakland Bay Bridge West Approach Replacement	Complete
San Francisco-Oakland Bay Bridge West Span Seismic Retrofit	Complete
San Mateo-Hayward Bridge Seismic Retrofit	Complete
Richmond-San Rafael Bridge Seismic Retrofit	Complete
1958 Carquinez Bridge Seismic Retrofit	Complete
1962 Benicia-Martinez Bridge Seismic Retrofit	Complete
San Diego-Coronado Bridge Seismic Retrofit	Complete
Vincent Thomas Bridge Seismic Retrofit	Complete

The new Benicia-Martinez Bridge is part of a larger program of toll-funded projects called the Regional Measure 1 (RM1) Toll Bridge Program under the responsibility of BATA and Caltrans. While the rest of the projects in the RM1 program are not directly under the responsibility of the TBPOC, BATA and Caltrans will continue to report on their progress as an informational item. The RM1 program includes:

Regional Measure 1 Projects	Open to Traffic Status
Interstate 880/State Route 92 Interchange Reconstruction	Construction
1962 Benicia-Martinez Bridge Reconstruction	Open
New Benicia-Martinez Bridge	Open
Richmond-San Rafael Bridge Deck Overlay Rehabilitation	Open
Richmond-San Rafael Bridge Trestle, Fender & Deck Joint Rehabilitation	Open
Westbound Carquinez Bridge Replacement	Open
San Mateo-Hayward Bridge Widening	Open
State Route 84 Bayfront Expressway Widening	Open
Richmond Parkway	Open

SUMMARY OF MAJOR PROJECT HIGHLIGHTS, ISSUES, AND ACTIONS

SAS Voyage #1 - OBG Lifts 1 through 4 in Transit December 30, 2009

SAS - View from under the Completed Skyway Looking West towards Yerba Buena Island

SAS Voyage 1 OBG Shipment and Tower Lift 1 Vertical Fit-up end of December 2009

Toll Bridge Seismic Retrofit Program Risk Management

A major element of the 2005 AB144, the law creating the TBPOC, was legislative direction to implement a more aggressive risk management program. Such a program has been implemented in stages over time to ensure development of a robust and comprehensive approach to risk management. We have reached a milestone with our risk management program with all elements now fully incorporated, resulting in one of the most detailed and comprehensive risk management programs in the country today.

A comprehensive risk assessment is performed for each project in the program. Based upon those assessments, a forecast is developed using the average cost of risk. These forecasts can both increase and decrease as risks are identified, resolved or retired. Nonetheless, we want to ensure that the public is informed of the risks we have identified and the possible expense they could necessitate.

Based upon the Fourth Quarter 2009 Risk Management Report, we have identified a range from $550 - $850 million in risks to the program contingency, which is unchanged from the last quarter. It is important to note that our $758.3 million budgeted program contingency is sufficient to cover the risks to an 80 percent confidence level. We will continue to work on mitigating these risks to reduce the potential draw on contingencies. Further details on identified risks are included in the contract summaries.

San Francisco-Oakland Bay Bridge (SFOBB) East Span Seismic Replacement Project

SAS Superstructure Contract

The prime contractor constructing the Self-Anchored Suspension Bridge from the completed Skyway to Yerba Buena Island is a joint venture of American Bridge/Fluor (ABF). The primarily steel bridge is being fabricated around the world in components. Temporary steel structures have been and are continuing to be erected in the San Francisco Bay to support the new bridge during construction.

The contractor has reported that fabrication of the steel tower and roadway boxes has fallen 15 months behind

SFO Bay Bridge East Span Detour Structure Completed over the Labor Day Weekend

schedule due to the complexity of the design and fabrication. The first shipment of roadway boxes (segments 1 through 4) were shipped on December 30, 2009, while the first tower segments are not expected until the late spring of 2010. All components have undergone a rigorous quality review by Shanghai Zhenhua Heavy Industry Co. Ltd. (ZPMC), ABF, and Caltrans to ensure that only bridge components that have been built in accordance to the specifications will be shipped.

On the critical path to completing the bridge is the fabrication of the last two roadway sections at the east end of the new span (Segments 13 and 14). The fabrication of these segments has fallen behind schedule due to delays in the fabrication drawing preparation process. The TBPOC has taken steps to ensure completion of the shop drawings by March of 2010. These delays will likely preclude the westbound opening of the bridge in 2012, but we continue to push for full opening of the bridge in 2013.

Caltrans has established risk management teams to evaluate these challenges and to identify future potential risks to completing the project on time and on budget. In particular, teams are reviewing cable-erection plans and mitigation actions. Based on the latest risk management assessment, there is a potential for a $260 million increase on the SAS contract.

Yerba Buena Island Detour Contract

The Yerba Buena Island Detour contractor, C.C. Myers, has rolled out the existing bridge span and rolled in the new east tie-in span of the detour structure that diverts traffic off the existing bridge to the detour structure that now ties into the Yerba Buena Island Tunnel. The traffic switch occurred as scheduled on Labor Day weekend. The contractor continues to make progress on a number of accelerated foundations for the future transition structure from the Self-Anchored Suspension (SAS) bridge to the tunnel.

Yerba Buena Island Transition Structures #1 Contract

On December 15, 2009, Caltrans opened three bids for the Yerba Buena Island Transitions Structures (YBITS) #1 contract. All three bidders submitted bids substantially lower than the engineer's estimate. The lowest responsive bid by MCM Construction, Inc. was $80.8 million versus an engineer’s estimate of $134.5 million. MCM Construction is the firm constructing the Oakland Touchdown #1 contract.

SUMMARY OF MAJOR PROJECT HIGHLIGHTS, ISSUES, AND ACTIONS

Oakland Touchdown #1 Westbound and Eastbound Overview Looking East

Oakland Touchdown #1 Westbound Falsework and Piles Removed

Dumbarton/Antioch Bridges Mock-Up of Dumbarton Pier Columns Undergoing Seismic Testing

Oakland Touchdown #1 Contract

The Oakland Touchdown (OTD) #1 contractor, MCM, continues to be on schedule with a projected completion date of May 2010 and has opened construction access on the new westbound OTD structure to the Skyway. Work continues on the eastbound structure.

TBSRP Capital Outlay Support

Based on initial discussions with our contractors, early completion of the East Span Project was believed to be possible and sufficient to mitigate potential identified support cost increases. The support cost increases are primarily due to the need to re-advertise the SAS contract and to decisions made to increase our opportunities for early completion of the East Span Project . These decisions include a 12-month schedule extension provided during bid time to attract the maximum number of bidders for the SAS contract and extension of the YBI Detour contract to advance future foundation and column work of the transition structure and west-end deck reconstruction. Since we now judge early completion and the intended cost savings to be unlikely, we forecast a potential drawdown of $244 million from the program contingency for project support. The TBPOC will continue to seek opportunities to economize in this area.

TBSRP Programmatic Risks

This category includes risks that are not yet scoped within existing contracts and/or that spread across multiple contracts. The interdependencies between all of the contracts in the program result in the potential for one contract's delay to impact the other contracts.

Seismic Retrofit of the Dumbarton and Antioch Bridges

When first conceived, the Toll Bridge Seismic Retrofit Program only identified seven of the nine state-owned toll bridges to be in need of seismic retrofit, which excluded the Dumbarton and Antioch Bridges. Further seismic vulnerability studies completed by Caltrans and BATA on those structures determined that both structures were in need of retrofit based on current seismic standards.
On October11, 2009, Governor Schwarzenegger signed Assembly Bill 1175, which added the Dumbarton and Antioch Bridges to the Toll Bridge Seismic Retrofit Program. BATA has now initiated efforts to raise tolls on the seven

Antioch Bridge

New Pedestrian Bicycle Path on Benicia-Martinez Bridge Under Construction

Site Preparation for New Route 92 and Interstate 880 Separator

State-owned toll bridges in the Bay Area in part to fund the seismic retrofit of the Dumbarton and Antioch Bridges.

BATA has already funded design plans for both bridge projects in anticipation of securing the capital funding for the project. The total estimated cost of these retrofits has been recently revised from $950 million to $750 million as project plans have been refined with reduced scope, minimizing cost risks.

The Antioch Bridge Seismic Retrofit project was risk-advertised in December 2009 and the Dumbarton Bridge will be advertised in March of 2010.

Regional Measure 1 Toll Bridge Program (RM1)

New Benicia-Martinez Bridge Project

On August 29, 2009, Caltrans, BATA and a number of dignitaries celebrated the substantial completion of the rehabilitation of the 1962 Benicia-Martinez Bridge. As the last major contract of the New Benicia-Martinez Bridge Project, the rehabilitation project converted the existing bridge to carry southbound-only Interstate 680 traffic. The work included adding a new southbound traffic lane (opened in early August 2009), shoulders and a new bicycle/pedestrian pathway. The project is now complete.

Interstate 880/State Route 92 Interchange Reconstruction Project

On this interchange reconstruction contract, the new eastbound State Route 92 to Northbound Interstate 880 direct connector structure (ENCONN) was completed and opened to detour traffic on May 16, 2009. Work is ongoing on a new separator structure. The project is forecast to be completed as planned in June 2011. Caltrans has requested a supplemental allocation of $6 million to replenish the construction contingency.

Toll Bridge Seismic Retrofit Program Cost Summary

	Contract Status	AB 144/SB 66 Budget (Jul 2005)	TBPOC Approved Changes	Current TBPOC Approved Budget (December 2009)	Cost to Date (December 2009)	Current Cost Forecast (December 2009)	Cost Variance	Cost Status
		a	b	c=a+b	d	e	f=e-c	
SFOBB East Span Seismic Replacement								
Capital Outlay Construction								
Skyway	Completed	1,293.0	(38.9)	1,254.1	1,236.9	1,254.1	-	●
SAS Marine Foundations	Completed	313.5	(32.6)	280.9	275.0	280.9	-	●
SAS Superstructure	Construction	1,753.7	-	1,753.7	865.3	1,947.5	193.8	●
YBI Detour	Construction	132.0	360.9	492.9	414.7	487.3	(5.6)	●
YBI Transition Structures (YBITS)		299.3	(93.0)	206.3	-	210.9	4.6	●
YBITS 1	Bids Opened	-			-	159.9		●
YBITS 2	Design	-			-	47.7		●
YBITS Landscaping	Design	-			-	3.3		●
Oakland Touchdown (OTD)		283.8	4.2	288.0	201.8	281.4	(6.6)	●
OTD 1	Construction	-			*194.0*	210.4		●
OTD 2	Design	-			-	57.0		●
OTD Electrical Systems	Design	-			-	4.4		●
Submerged Electric Cable	Completed	-			*7.9*	9.6		●
Existing Bridge Demolition	Design	239.2	(0.1)	239.1	-	232.1	(7.0)	●
Stormwater Treatment Measures	Completed	15.0	3.3	18.3	16.7	18.3	-	●
Other Completed Contracts	Completed	90.3	-	90.3	89.2	90.3	-	●
Capital Outlay Support		959.3	-	959.3	802.2	1,252.5	293.2	●
Right-of-Way and Environmental Mitigation		72.4	-	72.4	51.2	72.4	-	●
Other Budgeted Capital		35.1	(3.3)	31.8	0.7	7.7	(24.1)	●
Total SFOBB East Span Replacement		5486.6	200.5	5,687.1	3,953.7	6,135.4	448.3	
SFOBB West Approach Replacement								●
Capital Outlay Construction	Completed	309.0	41.7	350.7	328.1	338.1	(12.6)	●
Capital Outlay Support		120.0	(3.0)	117.0	116.9	117.0	-	●
Total SFOBB West Approach Replacement		429.0	38.7	467.7	445.0	455.1	(12.6)	
Completed Program Projects	Completed	1,839.4	(97.5)	1,741.9	1,712.6	1,741.9	-	●
Miscellaneous Program Costs		30.0	-	30.0	24.7	30.0	-	●
Net Programmatic Risks		-	-	-	-	265.3	265.3	●
Program Contingency		900.0	(141.7)	758.3	-	57.3	(701.0)	●
Total Toll Bridge Seismic Retrofit Program		8,685.0	-	8,685.0	6,136.0	8,685.0	-	●

● Within approved schedule and budget
● Identified potential project risks that could significantly impact approved schedules and budgets if not mitigated
● Known project impacts with forthcoming changes to approved schedules and budgets

Toll Bridge Seismic Retrofit Program Schedule Summary

	AB144/SB 66 Project Completion Schedule Baseline (Jul 2005)	TBPOC Approved Changes (Months)	Current TBPOC Approved Completion Schedule (December 2009)	Current Completion Forecast (December 2009)	Schedule Variance (Months)	Schedule Status	Remarks/Notes
	g	h	i = g + h	j	k = j - i	l	
SFOBB East Span Seismic Replacement							
Contract Completion							
Skyway	Apr 2007	8	Dec 2007	Dec 2007	-	●	See Page 32
SAS Marine Foundations	Jun 2008	(5)	Jan 2008	Jan 2008	-	●	See Page 22
SAS Superstructure	Mar 2012	12	Mar 2013	Mar 2013	-	●	See Page 23
YBI Detour	Jul 2007	41	Dec 2010	Dec 2010	-	●	See Page 16
YBI Transition Structures (YBITS)	Nov 2013	12	Nov 2014	Nov 2014	-		See Page 20
YBITS 1			Sep 2013	Sep 2013	-	●	
YBITS 2			Nov 2014	Nov 2014	-	●	
YBITS Landscaping			TBD	TBD	-	●	
Oakland Touchdown	Nov 2013	12	Nov 2014	Nov 2014	-		See Page 33
OTD 1			May 2010	May 2010	-	●	
OTD 2			Nov 2014	Nov 2014	-	●	
OTD Electrical Systems			TBD	TBD	-	●	
Submerged Electric Cable			Jan 2008	Jan 2008	-	●	
Existing Bridge Demolition	Sep 2014	12	Sep 2015	Sep 2015	-	●	
Stormwater Treatment Measures	Mar 2008	-	Mar 2008	Mar 2008	-	●	
SFOBB East Span Bridge Opening and Other Milestones							
OTD Westbound Access			Aug 2009	Aug 2009	-	●	
YBI Detour Open			Sep 2009	Sep 2009	-	●	See Page 18
Westbound Open	Sep 2011	12	Sep 2012	Dec 2012	3	●	
Eastbound Open	Sep 2012	12	Sep 2013	Sep 2013	-	●	
SFOBB West Approach Replacement						●	
Contract Completion	Aug 2009	(7)	Jan 2009	Jan 2009	-	●	

Notes: 1) Figures may not sum up to totals due to rounding effects.
2) TBSRP Forecasts for the Monthly Reports are generally updated on a quarterly basis in conjunction with quarterly risk analysis assessments for the TBSRP Projects.

Regional Measure 1 Program Cost Summary

	Contract Status	BATA Baseline Budget (Jul 2005)	BATA Approved Changes	Current BATA Approved Budget (December 2009)	Cost to Date (December 2009)	Current Cost Forecast (December 2009)	Cost Variance	Cost Status
		a	b	c = a + b	d	e	f = e - c	
New Benicia-Martinez Bridge								
Capital Outlay Construction	Completed	861.6	174.0	1,035.6	997.8	1,035.6	-	●
Capital Outlay Support		157.1	35.1	192.2	191.4	192.2	-	●
Capital Outlay Right-of-Way		20.4	(0.1)	20.3	17.0	20.3	-	●
Project Reserve		20.8	3.6	24.4	-	24.4	-	
Total New Benicia-Martinez Bridge		1,059.9	212.6	1,272.5	1,206.2	1,272.5	-	
Interstate 880/Route 92 Interchange Reconstruction								
Capital Outlay Construction	Construction	94.8	60.2	155 .0	86.1	161.0	6.0	●
Capital Outlay Support		28.8	34.6	63.4	51.1	63.4	-	●
Capital Outlay Right-of-Way		9.9	7.0	16.9	11.9	16.9	-	●
Project Reserve		0.3	9.4	9.7	-	3.7	(6.0)	
Total I-880/SR-92 Interchange Reconstruction		133.8	111.2	245.0	149.1	245.0	-	
Other Completed Program Projects		918.9	(30.0)	888.9	878.6	888.9	-	
Total Regional Measure 1 Toll Bridge Program		2,112.6	293.8	2,406.4	2,233.9	2,406.4	-	

● Within approved schedule and budget
● Identified potential project risks that could significantly impact approved schedules and budgets if not mitigated
● Known project impacts with forthcoming changes to approved schedules and budgets

Regional Measure 1 Program Schedule Summary

	BATA Baseline Completion Schedule (Jul 2005)	BATA Approved Changes (Months)	Current BATA Approved Completion Schedule (December 2009)	Current Completion Forecast (December 2009)	Schedule Variance (Months)	Schedule Status	Remarks/Notes
	g	h	i = g + h	j	k = j - i	l	
New Benicia-Martinez Bridge							
Contract Completion							
1962 BM Bridge Reconstruction	Dec 2009	(4)	Aug 2009	Aug 2009	-	●	See Page 60
New Benicia-Martinez Bridge Opening Date							
New Bridge	Dec 2007	(4)	Aug 2007	Aug 2007	-	●	
Interstate 880/Route 92 Interchange Reconstruction							
Contract Completion							
Interchange Reconstruction	Dec 2010	6	Jun 2011	Jun 2011	-	●	See Page 62

Notes: 1) Figures may not sum to totals due to rounding effects.

Existing Bridge YB4 Span Demolition in Progress

OBG Lift 1-4 East and West Loaded on the Ship for Transit

TOLL BRIDGE SEISMIC RETROFIT PROGRAM

TOLL BRIDGE SEISMIC RETROFIT PROGRAM

San Francisco-Oakland Bay Bridge Seismic Retrofit Strategy

When a 250-ton section of the upper deck of the East Span collapsed during the 7.1-magnitude Loma Prieta Earthquake in 1989, it was a wake-up call for the entire Bay Area. While the East Span quickly reopened within a month, critical questions lingered: How could the Bay Bridge—a vital regional lifeline structure—be strengthened to withstand the next major earthquake? Seismic experts from around the world determined that to make each separate element seismically safe on a bridge of this size, the work must be divided into numerous projects. Each project presents unique challenges. Yet there is one common challenge — the need to accommodate the more than 280,000 vehicles that cross the bridge each day.

Overview of the Completed West Approach Replacement Structure

West Approach Seismic Replacement Project
Project Status: Completed 2009

Seismic safety retrofit work on the West Approach in San Francisco—bounded on the west by 5th Street and on the east by the anchorage of the west span at Beale Street—involved completely removing and replacing this one-mile stretch of Interstate 80, as well as six on- and off-ramps within the confines of the West Approach's original footprint. This project was completed on April 8, 2009.

West Span Seismic Retrofit Project
Project Status: Completed 2004

The West Span lies between Yerba Buena Island and San Francisco and is made up of two complete suspension spans connected at a center anchorage. Retrofit work included adding massive amounts of steel and concrete to strengthen the entire West Span, along with new seismic shock absorbers and bracing.

West Span of the Bay Bridge

East Span Seismic Replacement Project

Rather than a seismic retrofit, the two-mile-long East Span is being completely rebuilt. When completed, the new East Span will consist of several different sections, but will appear as a single streamlined span. The eastbound and westbound lanes of the East Span will no longer include upper and lower decks. The lanes will instead be parallel, providing motorists with expansive views of the bay. These views will also be enjoyed by bicyclists and pedestrians, thanks to a new path on the south side of the bridge that will extend all the way to Yerba Buena Island. The new span will be aligned north of the existing bridge to allow traffic to continue to flow on the existing bridge as crews build the new span.

The new span will feature the world's longest Self-Anchored Suspension (SAS) bridge that will be connected to an elegant roadway supported by piers (Skyway), which will gradually slope down toward the Oakland shoreline (Oakland Touchdown). A new transition structure on Yerba Buena Island (YBI) will connect the SAS to the YBI Tunnel and will transition the East Span's side-by-side traffic to the upper and lower decks of the tunnel and West Span.

When construction of the new East Span is complete and vehicles have been safely rerouted to it, the original East Span will be demolished.

Architectural Rendering of Skyway and the New Self-Anchored Suspension Bridge Looking Towards Yerba Buena Island

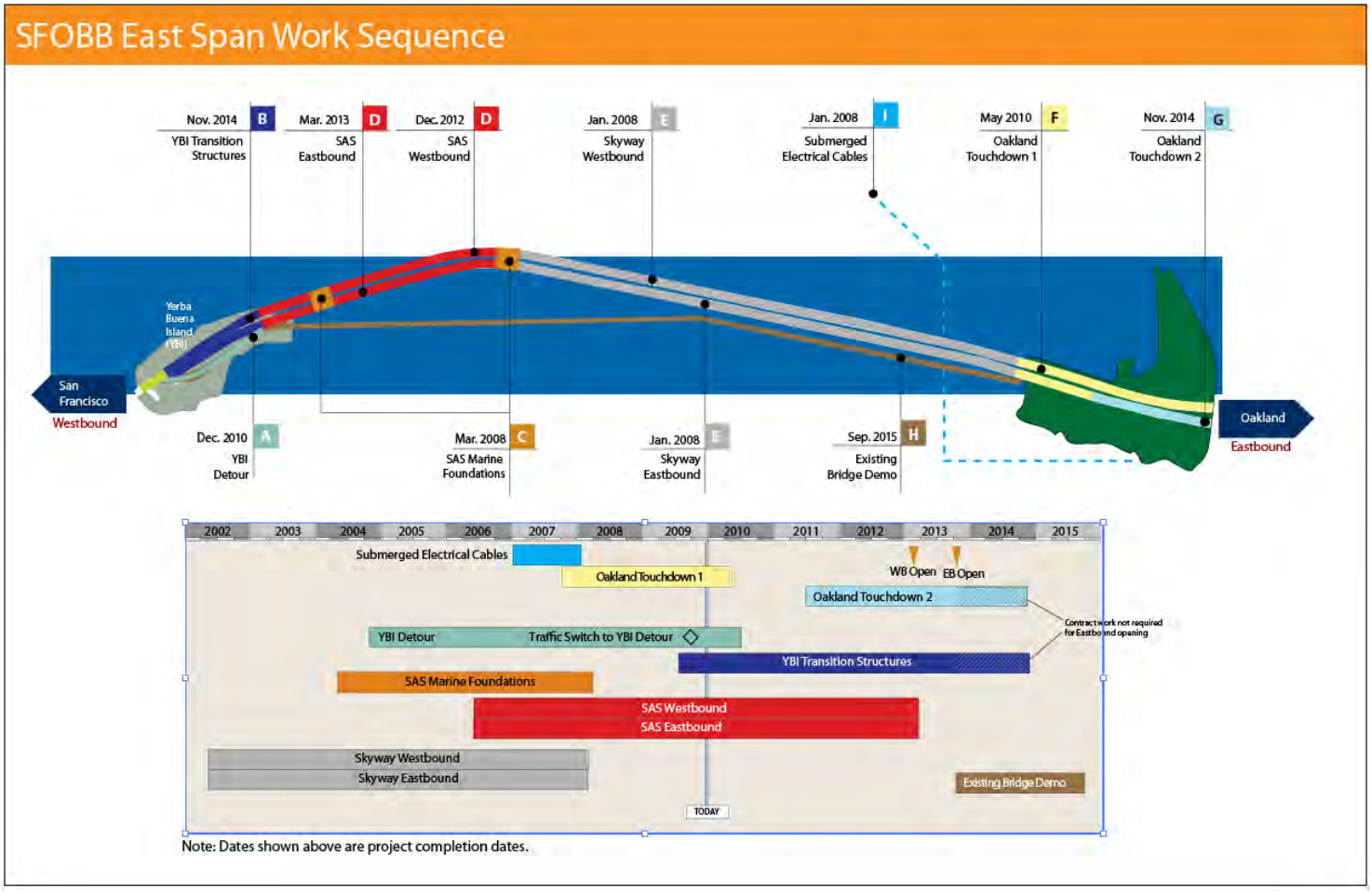
Yerba Buena Island Transition Structures
Columns W7R and W7L -N

TOLL BRIDGE SEISMIC RETROFIT PROGRAM

San Francisco-Oakland Bay Bridge East Span Replacement Project Summary

The new East Span bridge can be split into four major components—the Skyway and the Self-Anchored Suspension bridge in the middle and the Yerba Buena Island Transition Structures and Oakland Touchdown approaches at either end. Each component is being constructed by one to three separate contracts that all have been sequenced together.

Highlighted below are the major East Span contracts and their schedules. The letter designation before each contract corresponds to contract descriptions in the report.



Note: Dates shown above are project completion dates.

TOLL BRIDGE SEISMIC RETROFIT PROGRAM

San Francisco-Oakland Bay Bridge East Span Replacement Project
Yerba Buena Island Detour (YBID)

As with all of the Bay Bridge's seismic retrofit projects, crews must build the Yerba Buena Island Transition Structures (YBITS) without disrupting traffic. To accomplish this daunting task, YBID eastbound and westbound traffic was shifted off the existing roadway and onto a temporary detour on Labor Day weekend 2009. Drivers will use this detour, just south of the original roadway, until traffic is moved onto the new East Span.

A YBID Contract

Contractor: C.C. Myers Inc.
Approved Capital Outlay Budget: $492.9 M
Status: 84% Complete as of December 2009

This contract was originally awarded in early 2004 to construct the detour structure for the planned 2006 opening of the new East Span. Due to the re-advertisement of the SAS superstructure contract in 2005 because of a lack of funding at the time, the bridge opening was rescheduled to 2013. To better integrate the contract into the current East Span schedule and to improve seismic safety and mitigate future construction risks, the TBPOC has approved a number of changes to the contract, including adding the deck replacement work near the tunnel that was rolled into place over Labor Day weekend 2007, advancing future transition structure foundation work and making design enhancements to the temporary detour structure.

These changes have increased the budget and forecast for the contract to cover the revised project scope and potential project risks.

Successful Labor Day Weekend 2007 Roll-In Structure to the Tunnel

Tunnel Approach Roadway Replacement

The first in a series of activities to open the detour viaduct was completed in 2007 with the replacement of a 350-foot-long stretch of upper-deck roadway just east of the Yerba Buena Island Tunnel. During this historic milestone, the entire Bay Bridge was closed over the 2007 Labor Day weekend so crews could demolish and replace the old section of the deck with a seismically upgraded 6,500-ton precast section of viaduct that was literally pushed into place (see photo above).

Status: Completed.

Detour Viaduct Fabrication and Construction

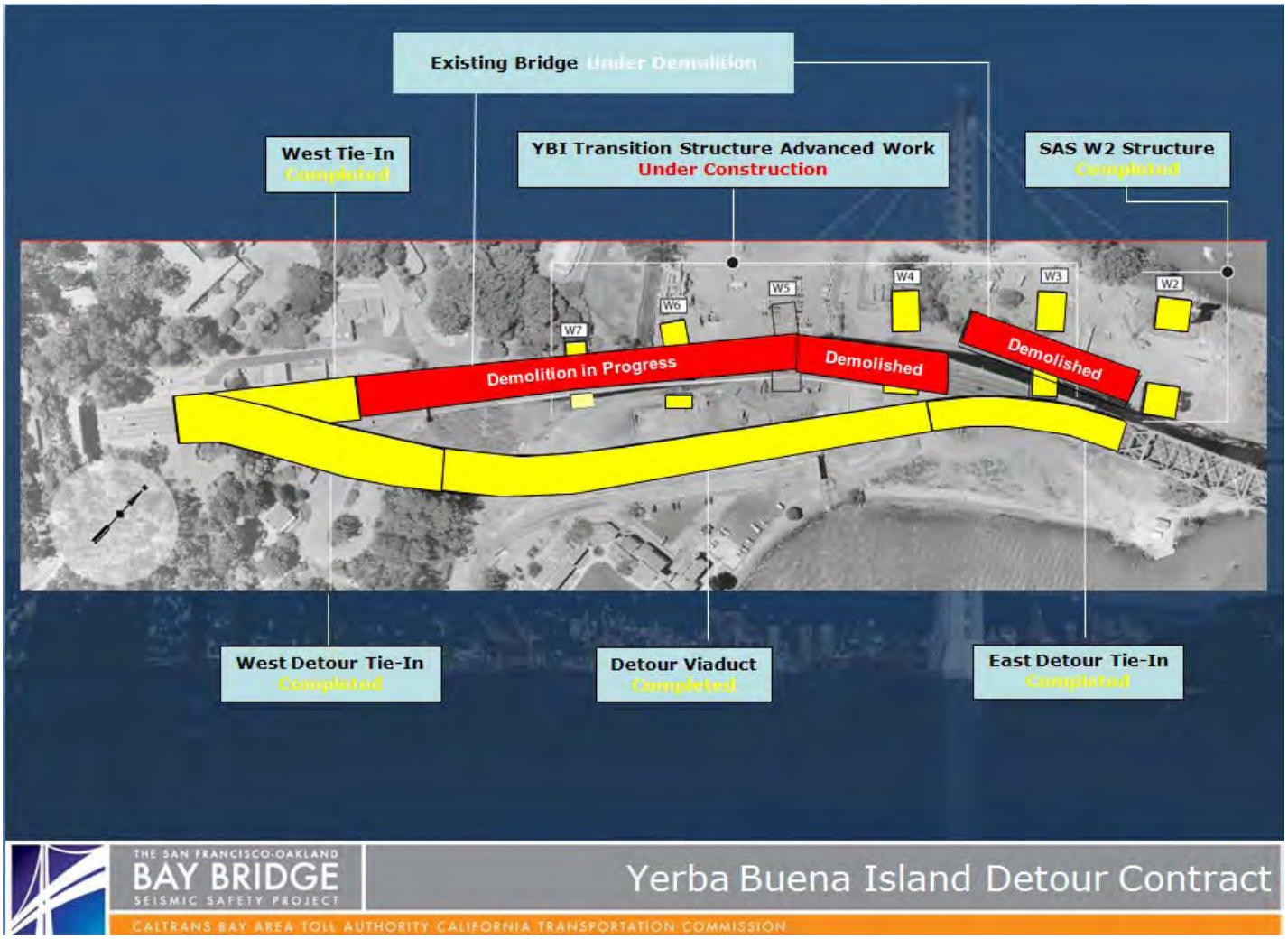
The detour viaduct runs parallel to the existing lanes on the island and ties back into the existing bridge and tunnel. Speed limits have been reduced due to the turns needed to get on and off the detour. The viaduct looks quite similar to the existing bridge, with steel cross beams and girders and a concrete roadway deck. To ensure a good fit, the steel viaduct truss members were pre-fitted during fabrication in South Korea and Oregon.

Status: Completed.

Demolition of Existing Viaduct

After shifting traffic onto the detour structure, crews will focus on the demolition of the existing bridge structure into the tunnel. The old transition structure will need to be removed before construction of the new transition structures from the SAS bridge to the YBI Tunnel can be completed.

Status: Started in early September 2009 and is forecast to be completed in May 2010.



Overview of Yerba Buena Island Detour Contract Scope of Work and Current Status

TOLL BRIDGE SEISMIC RETROFIT PROGRAM
Yerba Buena Island Detour (YBID)

Shifting traffic to the Yerba Buena Island Detour was the most significant realignment of the bridge to date. To accomplish this, crews cut away a 288-foot portion of the existing truss bridge and replaced it with a connection to the detour. This dramatic maneuver involved aerial construction that occurred more than 100 feet above the ground. Vehicles will travel on the detour until the completion of the new East Span.

This “S” curve detour now allows for the Yerba Buena Island demolition of the existing structure to proceed. This is a critical step in the overall East Span bridge construction.

Status: Demolition of the existing structure is underway.

Yerba Buena Island Detour Skid Bent System and Beams Demolition in Progress

Completed Yerba Buena Island Detour East Tie-In Roll-Out/Roll-In Structure

San Francisco-Oakland Bay Bridge East Span Replacement Demolition Progress

Yerba Buena Island Temporary Structures Column W3L and Demolition of Existing Viaduct Looking West

TOLL BRIDGE SEISMIC RETROFIT PROGRAM

San Francisco-Oakland Bay Bridge East Span Replacement Project
Yerba Buena Island Transition Structures (YBITS)

The new Yerba Buena Island Transition Structures (YBITS) will connect the new SAS bridge span to the existing Yerba Buena Island Tunnel, transitioning the new side-by-side roadway decks to the upper and lower decks of the tunnel. The new structures will be cast-in-place reinforced concrete structures that will look very similar to the already constructed Skyway structures. While some YBITS foundations and columns have been advanced by the YBID contract, the remaining work will be completed under three separate YBITS contracts.

Yerba Buena Island Transition Structure Columns W6 and W7 Looking East

B YBITS #1 Contract

Contractor: TBD
Current Capital Outlay Forecast: $159.9 M
Status: Bids Opened December 15, 2009

The YBITS #1 contract will construct the mainline roadway structures from the SAS bridge to the YBI tunnel. On December 15, 2009, Caltrans opened three bids for the Yerba Buena Island Transitions Structures (YBITS) #1 contract. All three bidders submitted bids substantially lower than the engineer's estimate. The low bid by MCM Construction, Inc. was $80.8 million versus an engineer's estimate of $134.5 million.

Rendering of Future Yerba Buena Island Transition Structures (top), in progress with Detour Viaduct (bottom) Completed

YBITS #2 Contract

Contractor: TBD
Current Capital Outlay Forecast: $47.7 M
Status: In Design

The YBITS #2 contract will demolish the detour viaduct after all traffic is shifted to the new bridge and will construct a new eastbound on-ramp to the bridge in its place. The new ramp will also provide the final link for bicycle/pedestrian access off the SAS bridge onto Yerba Buena Island.

YBITS Landscaping Contract

Contractor: TBD
Current Capital Outlay Forecast: $3.3 M
Status: In Design

Upon completion of the YBITS work, a follow-on landscaping contract will be executed to re-plant and landscape the area.

Yerba Buena Island Transition Structures Advanced Work

Due to the re-advertisement of the SAS superstructure contract in 2005, it became necessary to temporarily suspend the detour contract and make design changes to the viaduct. To make more effective use of the extended contract duration and to reduce overall project schedule and construction risks, the TBPOC approved the advancement of foundation and column work from the Yerba Buena Island Transition Structures contract.

Status: Advanced foundations and columns for the left piers of W3, W4, W6 and W7 are under construction. Work at pier W5 is pending removal of the existing transition structure. See page 17 for a diagram of pier locations.

YBITS Columns W4 and W3 Looking West

TOLL BRIDGE SEISMIC RETROFIT PROGRAM

San Francisco-Oakland Bay Bridge East Span Replacement Project Self-Anchored Suspension (SAS) Bridge

If one single element bestows world class status on the new Bay Bridge East Span, it is the Self-Anchored Suspension (SAS) bridge. This engineering marvel will be the world's largest SAS span at 2,047 feet in length, as well as the first bridge of its kind built with a single tower.

The SAS was separated into three separate contracts—construction of the land-based foundations and columns at Pier W2; construction of the marine-based foundations and columns at Piers T1 and E2; and construction of the SAS steel superstructure, including the tower, roadway, and cabling. Construction of the foundations at Pier W2 and at Piers T1 and E2 was completed in 2004 and 2007, respectively.

SAS Land Foundation Contract

Contractor: West Bay Builders, Inc.
Approved Capital Outlay Budget: $26.4 M
Status: Completed October 2004

The twin W2 columns on Yerba Buena Island provide essential support for the western end of the SAS bridge, where the single main cable for the suspension span will extend down from the tower and wrap around and under the western end of the roadway deck. Each of these huge columns required massive amounts of concrete and steel and are anchored 80 feet into the island's solid bedrock.

SAS OBG Cradles Erected on top of Westbound and Eastbound Temporary Structure

SAS T1 Trestle Construction Overview

C SAS Marine Foundations Contract

Contractor: Kiewit/FCI/Manson, Joint Venture
Approved Capital Outlay Budget: $280.9 M
Status: Completed January 2008

Construction of the piers at E2 and T1 required significant on-water resources to drive the foundation support piles down, not only to bedrock, but also through the bay water and mud (see rendering on facing page).

The T1 foundation piles extend 196 feet below the waterline and are anchored into bedrock with heavily reinforced concrete rock sockets that are drilled into the rock. Driven nearly 340 feet deep, the steel and concrete E2 foundation piles were driven 100 feet deeper than the deepest timber piles of the existing east span in order to get through the bay mud and reach solid bedrock.

D SAS Superstructure Contract

Contractor: American Bridge/Fluor Enterprises, Joint Venture
Approved Capital Outlay Budget: $1,75 M
Status: 47% Complete as of December 2009

The SAS bridge is not just another suspension bridge. Rising 525 feet above mean sea level and embedded in rock, the single-tower SAS span is designed to withstand a massive earthquake. Traditional main cable suspension bridges have twin cables with smaller suspender cables connected to them. These cables hold up the roadbed and are anchored to the east end of the box girders. While there will appear to be two main cables on the SAS, there will actually only be one. This single cable will be anchored within the eastern end of the roadway, carried over the tower and then wrapped around the two side-by-side decks at the western end.

The single steel tower will be made up of four separate legs connected by shear link beams which function much like a fuse in an electrical circuit. These beams will absorb most of the impact from an earthquake, preventing damage to the tower legs.

The next several pages highlight the construction sequence of the SAS and are followed by detailed updates on specific construction activities.

Architectural Rendering of New Self-Anchored Suspension Span

TOLL BRIDGE SEISMIC RETROFIT PROGRAM

Self-Anchored Suspension (SAS) Construction Sequence

Step 1 - Construct Temporary Support Structures

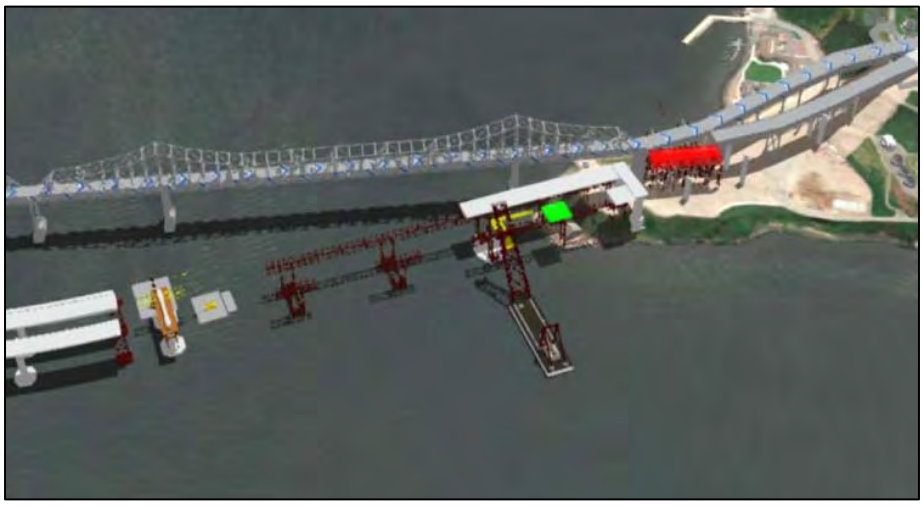
Temporary support structures will need to be erected from the Skyway to Yerba Buena Island to support the new SAS bridge during construction.

Status: Foundations for the temporary supports are complete. Support structures are now being installed from west to east.

Step 2 - Install Roadways

The roadway boxes will be lifted into place by using the shear-leg crane barge. The boxes will be bolted and welded together atop the temporary support trusses to form two continuous parallel steel roadway boxes.

Status: The roadway box segments are being fabricated (see page 26 for more information). OBG lifts 1 though 4 eastbound and westbound were shipped on December 30, 2009.



Step 3 - Install Tower

Each of the four legs of the tower will be erected in five separate lifts. The first lift will use the shear-leg crane barge while the remaining higher lifts will use a temporary support tower and lifting jacks.

Status: The first shipment of tower sections is being fabricated and is forecast for shipment in mid - 2010 (see page 26 for more information).

Step 4 - Main Cable and Suspender Installation

The main cable will be pulled from the east end of the SAS bridge, over the tower, and wrapped around the west end before returning back. Suspender cables will be added to lift the roadway decks off the temporary support structure.

Status: Cable installation is pending the erection of the tower and roadway spans. Shipment for the first half of the cables is forecast for January 2010.

Step 5 - Westbound Opening

The new bridge will first open in the westbound direction pending completion of the Yerba Buena Island Transition Structures. Westbound access to the Skyway from Oakland will be completed by the Oakland Touchdown #1 contract in 2009.

Status: Westbound opening is forecast for the end of 2012.

Step 6 - Eastbound Opening

Opening of the bridge in the eastbound direction is pending completion of Oakland Touchdown #2. Westbound traffic will need to be routed off the existing bridge before the eastbound approach structure can be completed.

Status: Eastbound opening is forecast for third quarter 2013.

TOLL BRIDGE SEISMIC RETROFIT PROGRAM

Self-Anchored Suspension (SAS) Superstructure Fabrication Activities

Nearly every component of the SAS above the waterline—from the temporary support structures to the roadway and tower box sections to the main cable and suspender ropes—will be fabricated off-site and erected into place upon arrival in the Bay Area. This project is truly global in nature, with fabrication of the bridge components occurring not only in the United States but around the world—in China, the United Kingdom, Japan, South Korea and other locations.

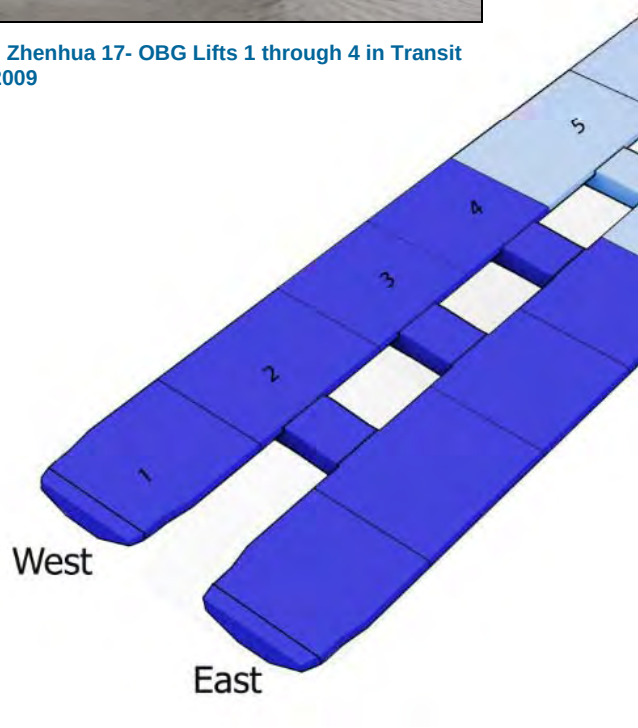
SAS Voyage #1 Zhenhua 17- OBG Lifts 1 through 4 in Transit December 30, 2009

Roadway and Tower Segments

Like giant three-dimensional jigsaw puzzles, the roadway and tower segments of the SAS bridge are hollow steel shells that are internally strengthened and stiffened by a highly engineered network of welded steel ribs and diaphragms. The use of steel in this manner allows for a flexible yet relatively light and strong structure able to withstand the massive loads placed on the bridge during seismic events.

Status: The contractor has reported that fabrication of the steel tower and roadway boxes has fallen 15 months behind schedule due to the complexity of the design and fabrication.

As shown in the diagram to the right, roadway segments 5 to 11 are in segment assembly or further along in the process, while segment 12 is in subassembly fabrication. Tower segments 1 to 4 are in various stages of fabrication. The first shipment of roadway boxes (segments 1 through 4) were shipped on December 30, 2009, while the first tower segments are expected this year.



All components have undergone a rigorous quality review by ZPMC, ABF, and Caltrans to ensure that only bridge components that have been built in accordance to the specifications will be shipped.

On the critical path to completing the bridge are the fabrication of the last two roadway sections (segments 13 and 14). Start of fabrication of these segments has fallen behind schedule due to delays in the fabrication drawing preparation process. The TBPOC has taken steps to ensure completion of the shop drawings by March 2010.

These delays will likely preclude the westbound opening of the bridge in 2012, but we continue to push for full opening of the bridge in 2013 (see additional progress photos on pages 76 through 79).

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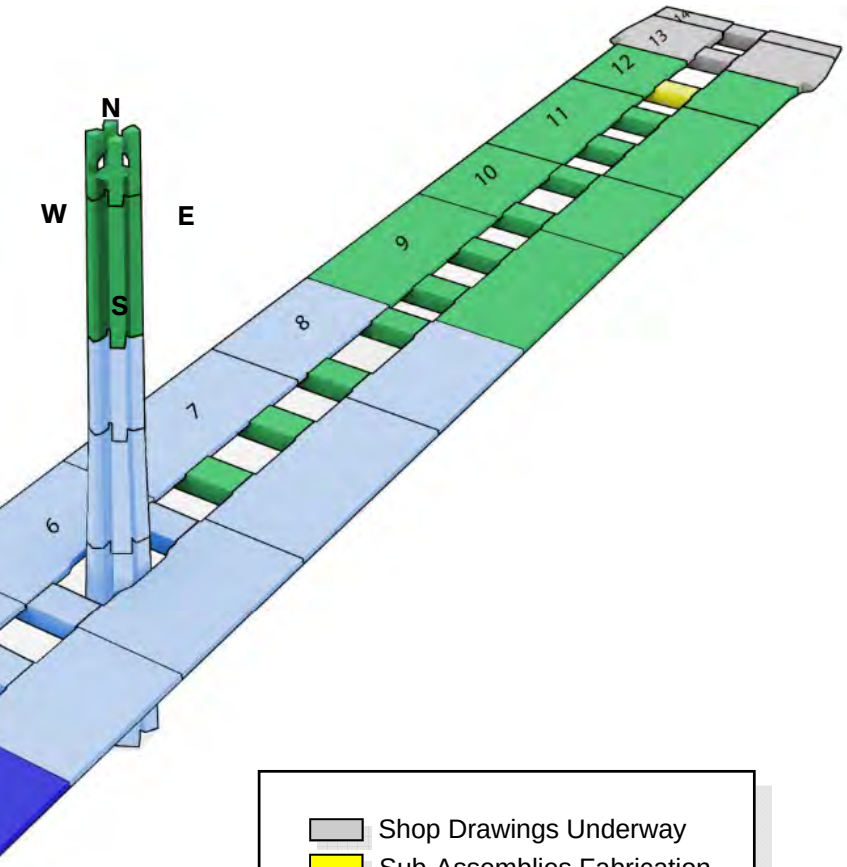
Fabrication Progress Diagram

Through December 31, 2009



- Shop Drawings Underway
- Sub-Assemblies Fabrication
- Segment Assembly
- Blast, Paint & Fit Up
- Ready To Ship/In Transit
- On Site/In Place

December 31, 2009

SAS Tower East and West Shaft Lift 1 Placed onto the Base Plate during Trial Assembly on Heavy Duty Dock.

SAS Departure of OBG 1 through 4

SAS OBG Lifts 1-4 East and West Loaded on Ship

TOLL BRIDGE SEISMIC RETROFIT PROGRAM

Self-Anchored Suspension (SAS) Superstructure Fabrication Activities (cont.)

Cables and Suspenders

One continuous main cable will be used to support the roadway deck of the SAS bridge. Anchored into the eastern end of the bridge, the main cable will start on the east end of the box girder, go over the main tower at T1, loop around the western end of the roadway decks at Pier W2, and then go back over the main tower to the eastern end of the box girder. The main cable will be made up of bundles of individual wire strands. Supporting the roadway decks to the main cable will be a number of smaller suspender cables. The main cable will be fabricated in China and the suspender cables in Missouri, USA.

Status: Initial trial testing of the main cable strands was performed in September 2009. The first half of the cable shipment is anticipated in January 2010.

SAS Cable Separator

SAS E2 Bearing Assembly

Saddles, Bearings, Hinges, and Other Bridge Components

The mounts on which the main cable and suspender ropes will sit are made from solid steel castings. Castings for the main cable saddles are being made by Japan Steel Works, while the cable bands and brackets are being made by Goodwin Steel in the United Kingdom.

The bridge bearings and hinges that support, connect, and transfer loads from the self-anchored suspension (SAS) span to the adjoining sections of the new east span are being fabricated in a number of locations. Work on the bearings is being performed in Pennsylvania, USA and Hochang, South Korea, while hinge pipe beams are being fabricated in Oregon, USA.

Status: The cable saddles and hinges at the W2 cap beam and YBITS are under fabrication. The hinges in between the Skyway and Oakland Touchdown have been installed.

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TOLL BRIDGE SEISMIC RETROFIT PROGRAM

Self-Anchored Suspension (SAS) Superstructure Field Activities

Shear-Leg Barge Crane

Shear-Leg Barge Crane

The massive shear-leg barge crane that is helping to build the SAS superstructure arrived in the San Francisco Bay on March 12, 2009 after a trans-Pacific voyage.

The crane and barge are separate units operating as a single entity dubbed the “Left Coast Lifter.” The 400-by-100-foot barge is a U.S. f lagged vessel that was custom built in Portland, Oregon by U.S. Barge, LLC and outfitted with the crane by Shanghai Zhenhua Heavy Industry Co. Ltd. (ZPMC) at a facility near Shanghai, China. The crane’s boom weighs 992 tons and is 328 feet long. The crane can lift up to 1,873 tons, including the deck and tower sections for the SAS.

The crane has off-loaded all temporary structures shipped to date and has lifted 85 percent of the temporary structures into place. Work on the eastbound side of the SAS must occur first, as the crane cannot reach over permanent westbound decks to work on the eastbound roadway.

Status: The shear-leg crane arrived at the jobsite March 2009

SAS View from East of E2

Cap Beams

Construction of the massive steel-reinforced concrete cap beams that link the columns at piers W2 and E2 was left to the SAS superstructure contractor and represents the only concrete portions of work on that contract. The east and west ends of the SAS roadway will rest on the cap beams and the main cable will wrap around Pier W2, while anchoring into the east end of the SAS deck sections near E2.

Status: Completed March 2009

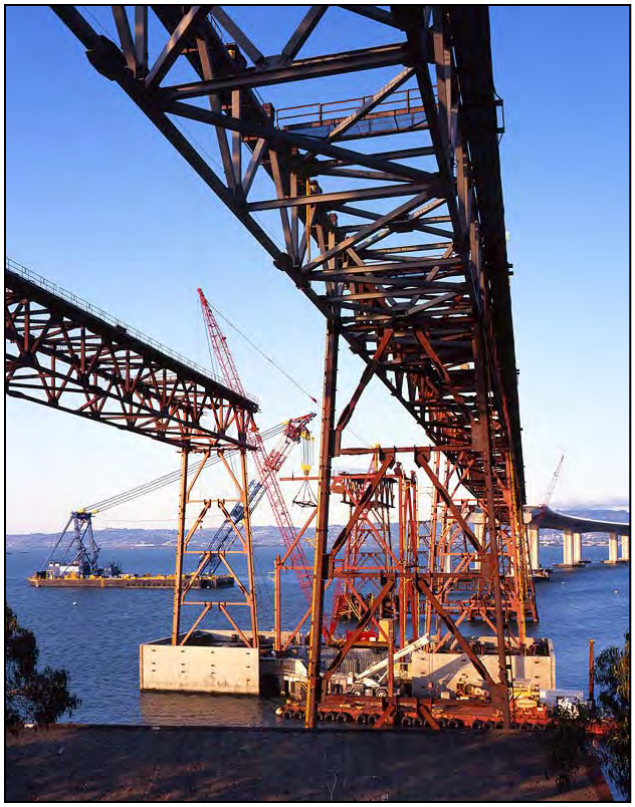
TOLL BRIDGE SEISMIC RETROFIT PROGRAM

Self-Anchored Suspension (SAS) Superstructure Field Activities

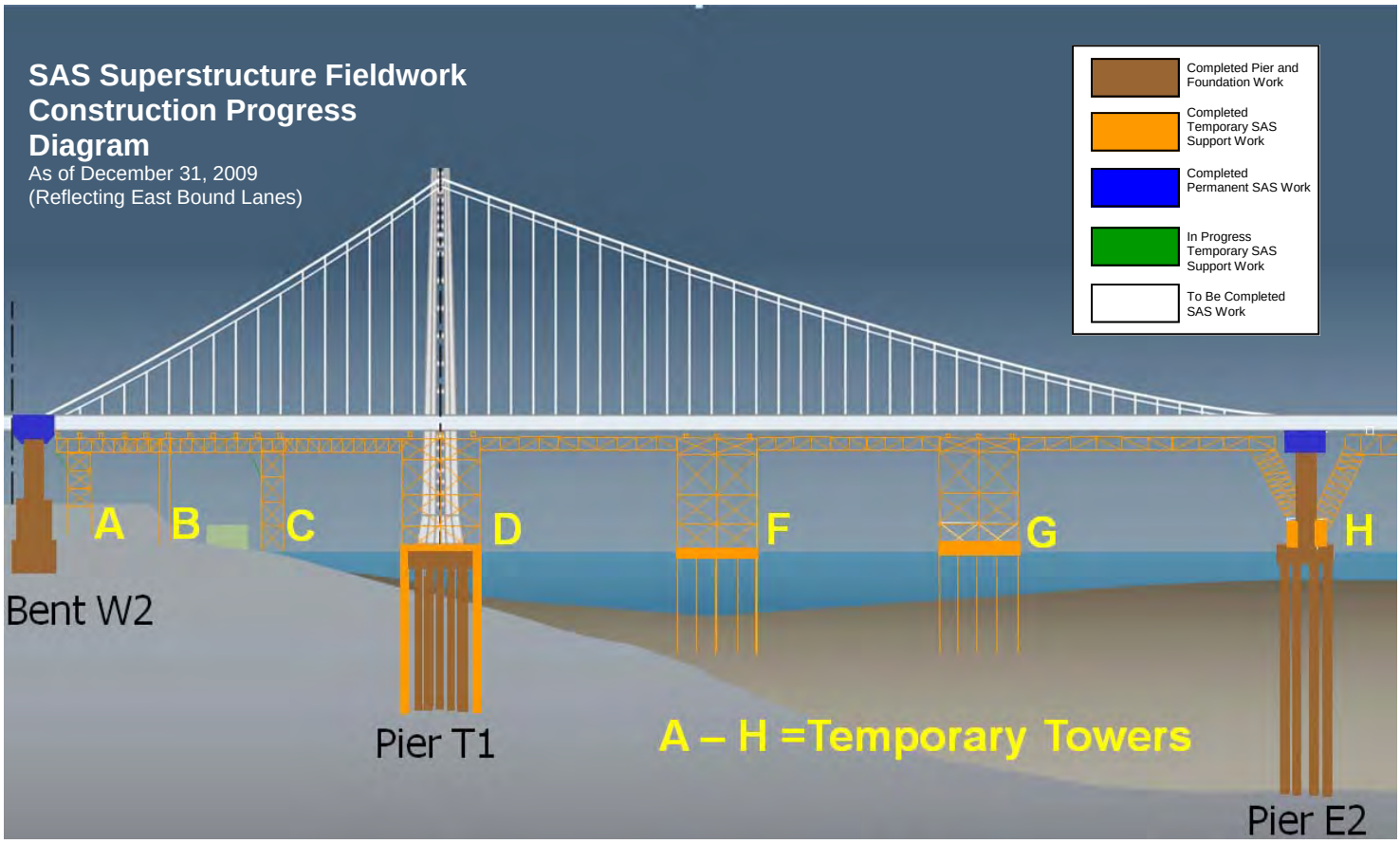
Temporary Support Structures

To erect the roadway decks and tower of the bridge, temporary support structures will first be put in place. Almost a bridge in itself, the temporary support structures will stretch from the end of the completed Skyway back to Yerba Buena Island. For the tower, a strand jack system is being built into the tower's temporary frame to elevate the upper sections of the tower into place. These temporary supports are being fabricated in the Bay Area, as well as in Oregon and in China at ZPMC.

Status: The temporary support foundations and six temporary towers have been completed. 85 percent of the temporary structures are in place.



SAS Eastbound and Westbound Temporary Support Structures



SAS Westbound and Eastbound Temporary Structures, T1 Erection Tower Framing and Trestle

SAS Temporary Support Structures and Existing East Span

TOLL BRIDGE SEISMIC RETROFIT PROGRAM

San Francisco-Oakland Bay Bridge East Span Replacement Project Skyway

The Skyway, which comprises much of the new East Span, will drastically change the appearance of the Bay Bridge. Replacing the gray steel that currently cages drivers, a graceful, elevated roadway supported by piers will provide sweeping views of the bay.

Completed Skyway Left of Existing East Span

E Skyway Contract

Contractor: Kiewit/FCI/Manson, Joint Venture
Approved Capital Outlay Budget: $1,254.1 M
Status: Completed March 2008

Extending for more than a mile across Oakland mudflats, the Skyway is the longest section of the East Span. It sits between the new Self-Anchored Suspension (SAS) span and the Oakland Touchdown. In addition to incorporating the latest seismic-safety technology, the side-by-side roadway decks of the Skyway feature shoulders and lane widths built to modern standards.

The Skyway's decks are composed of 452 pre-cast concrete segments (standing three stories high), containing approximately 200 million pounds of structural steel, 120 million pounds of reinforcing steel, 200 thousand linear feet of piling and about 450 thousand cubic yards of concrete. These are the largest segments of their kind ever cast and were lifted into place by custom-made winches.

Western End of Completed Skyway

The Skyway marine foundation consists of 160 hollow steel pipe piles measuring eight feet in diameter and dispersed among 14 sets of piers. The 365-ton piles were driven more than 300 feet into the deep bay mud. The new East Span piles were battered or driven in at an angle, rather than vertically, to obtain maximum strength and resistance.

Designed specifically to move during a major earthquake, the Skyway features several state-of-the-art seismic safety innovations, including 60-foot-long hinge pipe beams. These beams will allow deck segments on the Skyway to move, enabling the deck to withstand greater motion and to absorb more earthquake energy.

TOLL BRIDGE SEISMIC RETROFIT PROGRAM

San Francisco-Oakland Bay Bridge East Span Replacement Project
Oakland Touchdown

When completed, the Oakland Touchdown (OTD) structures will connect Interstate 80 in Oakland to the new side-by-side decks of the new East Span. For westbound drivers, the OTD will be their introduction to the graceful new East Span. For eastbound drivers from San Francisco, this section of the bridge will carry them from the Skyway to the East Bay, offering unobstructed views of the Oakland hills.

The OTD will be constructed through two contracts. The first contract will build the new westbound lanes, as well as part of the eastbound lanes. The second contract to complete the eastbound lanes cannot fully begin until westbound traffic is shifted onto the new bridge. This enables a portion of the upper deck of the existing bridge to be demolished allowing for a smooth transition for the new eastbound lanes in Oakland.

F Oakland Touchdown #1 Contract

Contractor: MCM Construction, Inc.
Current Capital Outlay Forecast: $210.4 M
Status: 89% Complete as of December 2009

The OTD #1 contract constructs the entire 1,000-foot-long westbound approach from the toll plaza to the Skyway. When completed, the westbound approach structure will provide direct access to the westbound Skyway. In the eastbound direction, the contract will construct a portion of the eastbound structure and all of the eastbound foundations that are not in conflict with the existing bridge.

Status: On the westbound structure, the contractor has completed all work and is completing the eastbound superstructure work. The contractor, MCM, re-established temporary construction access to the Skyway structure over the new westbound Oakland Touchdown on August 4.

G Oakland Touchdown #2 Contract

Contractor: TBD
Current Capital Outlay Forecast: $57.0 M
Status: In design

The OTD #2 contract will complete the eastbound approach structure from the end of the Skyway to Oakland. This work is critical to the eastbound opening of the new bridge, but cannot be completed until westbound traffic has been shifted off the existing upper deck to the new SAS bridge.

Oakland Touchdown Progress

TOLL BRIDGE SEISMIC RETROFIT PROGRAM

San Francisco-Oakland Bay Bridge East Span Replacement Project Other Contracts

A number of contracts needed to relocate utilities, clear areas of archeological artifacts, and prepare areas for future work have already been completed. The last major contract will be the eventual demolition and removal of the existing bridge, which by that time will have served the Bay Area for nearly 80 years. Following is a status of some the other East Span contracts.

Archeological Investigations

East Span Interim Seismic Retrofit

Contractors: 1) California Engineering Contractors
2) Balfour Beatty
Approved Capital Outlay Budget: $30.8 M
Status: Completed October 2000

After the 1989 Loma Prieta Earthquake, and before the final retrofit strategy was determined for the East Span, Caltrans completed an interim retrofit of the existing bridge to prevent a catastrophic collapse of the bridge should a similar earthquake occur before the East Span was completely replaced. The interim retrofit was performed under two separate contracts that lengthened pier seats, added some structural members, and strengthened areas of the bridge so they would be more resilient during an earthquake.

Existing East Span of Bay Bridge

Stormwater Treatment Measures

Contractor: Diablo Construction, Inc.
Approved Capital Outlay Budget: $18.3 M
Status: Completed December 2008

The Stormwater Treatment Measures contract implemented a number of best practices for the management and treatment of stormwater runoff. Focused on the areas around and approaching the toll plaza, the contract added new drainage and built new bio-retention swales and other related constructs.

Stormwater Retention Basin

Yerba Buena Island Substation

Contractor: West Bay Builders
Approved Capital Outlay Budget: $11.6 M
Status: Completed May 2005

This contract relocated an electrical substation just east of the Yerba Buena Island Tunnel in preparation for the new East Span.

Pile Installation Demonstration

Contractor: Manson and Dutra, Joint Venture
Approved Capital Outlay Budget: $9.2 M
Status: Completed December 2000

While common in offshore drilling, the new East Span is one of the first bridges to use large-diameter battered piles in its foundations. To minimize project risks and build industry knowledge, a pile installation demonstration project was initiated to prove the efficacy of the proposed technology and methodology. The demonstration was highly successful and helped result in zero contract change orders or claims for pile driving on the project.

H Existing Bridge Demolition

Contractor: TBD
Approved Capital Outlay Budget: $239.1 M
Status: In Design

Design work on the contract will start in earnest as the opening of the new bridge to traffic approaches.

New YBI Electrical Substation

I Electrical Cable Relocation

Contractor: Manson Construction
Approved Capital Outlay Budget: $9.6 M
Status: Completed January 2008

A submerged cable from Oakland that is close to where the new bridge will touch down supplies electrical power to Treasure Island. To avoid any possible damage to the cable during construction, two new replacement cables were run from Oakland to Treasure Island. The extra cable was funded by the Treasure Island Development Authority and its future development plans.

Quarterly Environmental Compliance Highlights

Peregrine Falcon

Overall environmental compliance for the SFOBB East Span project has been a success. All weekly, monthly and annual compliance reports to resource agencies have been delivered on time. There are no comments from receiving agencies. The tasks for the current quarters are focused on mitigation monitoring. Key successes in this quarter are as follows:

- Bird monitoring was conducted weekly in the active construction areas. Monitors did not observe any indication that birds were disturbed due to the East Span construction activities.
- Peregrine falcon monitoring for the 2009/2010 nesting season began on December 4 and will be conducted weekly until observations indicate that the monitoring frequency should be changed.
- Environmental compliance and storm water pollution prevention plan (SWPPP) inspections were conducted weekly at all active project sites. Environmental permit compliance staff continues to work closely with the California Department of Transportation (Department) construction and contractor to ensure compliance with environmental permits and regulations and improve SWPPP and best management practices.
- On October 1, 2009, the Department submitted the Final Hydroacoustic Monitoring Plan for the Driving of Temporary Access Trestle Piles for the Self-Anchored Suspension Span to the National Oceanic and Atmospheric Administration, National Marine Fisheries Service (NOAA-Fisheries) and California Department of Fish and Game (CDFG). This plan was submitted in accordance with the NOAA-Fisheries Supplemental Biological Opinion and Conference Opinion of the San Francisco-Oakland Bay Bridge (SFOBB) East Span Seismic Safety Project.
- On October 7, 2009, the San Francisco Bay Conservation and Development Commission (BCDC) issued Amendment No. 25 to Permit No. 8-01 for construction of a temporary access trestle as part of the Self-Anchored Suspension Span (SAS) portion of the SFOBB Project.
- On October 14, 2009 the CDFG issued Minor Amendment No. 1 to the SFOBB East Span Seismic Safety Project, Incidental Take Permit No. 2081-2001-021-03, in accordance with section 783.6 (c) of the California Code of Regulations. The Minor Amendment extends the expiration date of the Permit to June 30, 2018 and includes longfin smelt as a Covered Species.
- During October 22 – November 5, 2009, hydroacoustic, bird predation, and marine mammal monitoring was conducted during pile driving for a SAS T1 temporary access trestle.
- During October 16 – November 9, 2009, a bay wide eelgrass survey was conducted to update the previous survey that was completed in 2003.
- On December 30, 2009, the Department submitted the Vegetation Monitoring Report for the SFOBB East Span Seismic Safety Project, Post Construction Stormwater Treatment Project, Emeryville Crescent Habitat Mitigation Site to BCDC. The Vegetation Monitoring Report was submitted pursuant to BCDC Permit No. 8-01, Amendment No. 18, Section II.W.4.

Canadian Geese and Chicks at Emeryville Crescent

Oakland Touchdown #1 Shore Rock Protection

Storm water Pollution Prevention

San Francisco Oakland Bay Bridge Eelgrass

TOLL BRIDGE SEISMIC RETROFIT PROGRAM

Other Completed Projects

In the 1990s, the State Legislature identified seven of the nine state-owned toll bridges for seismic retrofit. In addition to the San Francisco-Oakland Bay Bridge, these included the Benicia-Martinez, Carquinez, Richmond-San Rafael and San Mateo-Hayward bridges in the Bay Area, and the Vincent Thomas and Coronado bridges in Southern California. Other than the East Span of the Bay Bridge, the retrofits of all of the bridges have been completed as planned.

High-Rise Section of San Mateo-Hayward Bridge

San Mateo-Hayward Bridge Seismic Retrofit Project
Project Status: Completed 2000

The San Mateo-Hayward Bridge seismic retrofit project focused on strengthening the high-rise portion of the span. The foundations of the bridge were significantly upgraded with additional piles.

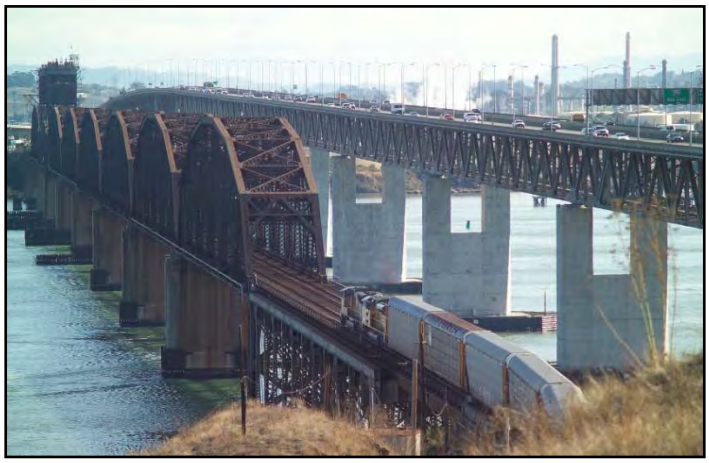
1958 Carquinez Bridge (foreground) with the 1927 Span (middle) under Demolition and the New Alfred Zampa Memorial Bridge (background)

1958 Carquinez Bridge Seismic Retrofit Project
Project Status: Completed 2002

The eastbound 1958 Carquinez Bridge was retrofitted in 2002 with additional reinforcement of the cantilever thru-truss structure.

1962 Benicia-Martinez Bridge Seismic Retrofit Project
Project Status: Completed 2003

The southbound 1962 Benicia-Martinez Bridge was retrofitted to “Lifeline” status with the strengthening of the foundations and columns and the addition of seismic bearings that allow the bridge to move during a major seismic event. The Lifeline status means the bridge is designed to sustain minor to moderate damage after an event and to reopen quickly to emergency response traffic.



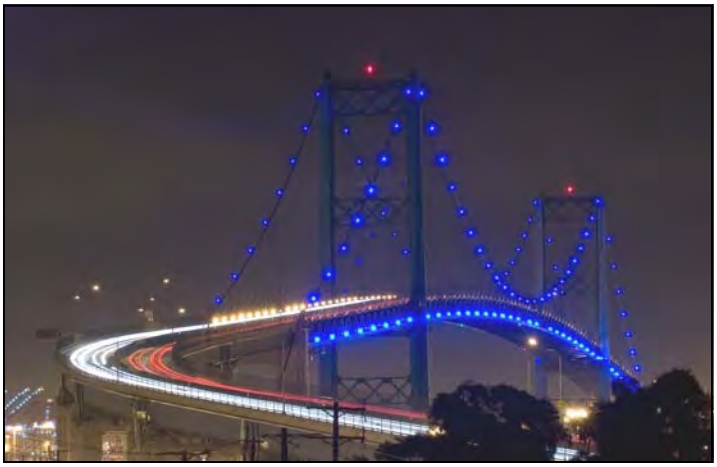
1962 Benicia-Martinez Bridge (right)

Richmond-San Rafael Bridge Seismic Retrofit Project
Project Status: Completed 2005

The Richmond-San Rafael Bridge was retrofitted to a “No Collapse” classification to avoid catastrophic failure during a major seismic event. The foundations, columns, and truss of the bridge were strengthened, and the entire low-rise approach viaduct from Marin County was replaced.

Richmond-San Rafael Bridge

Los Angeles-Vincent Thomas Bridge Seismic Retrofit Project
Project Status: Completed 2000



Los Angeles-Vincent Thomas Bridge

San Diego-Coronado Bridge Seismic Retrofit Project
Project Status: Completed 2002

San Diego-Coronado Bridge

TOLL BRIDGE SEISMIC RETROFIT PROGRAM

Risk Management Program Update

Potential Draw on Program Reserve (Program Contingency)

Assembly Bill (AB) 144 states that Caltrans must "regularly reassess its reserves for potential claims and unknown risks, incorporating information related to risks identified and quantified through its risk assessment processes." AB 144 set a $900 million Program Reserve (also referred to as the Program Contingency). The Program Contingency is currently at $758.3 million, according to the TBPOC Approved Budget.

The risk management process calculates the potential draw on Program Contingency each quarter based on the total of all risks and the contingencies remaining from the contracts.

Each contract in design has an assigned contingency allowance. A contract in construction has a remaining contingency, which is the difference between its budget and the sum of bid items, state furnished materials, contract change orders and remaining supplemental work. Capital outlay support has no identified contingency allowance. The total of the contingencies is the amount that is available to cover the risks of all contracts, program-level risks (the risks not assigned to a particular contract), and capital outlay support risks. The amount by which the sum of all risks exceeds the total of all contingencies represents a potential draw on the Program Contingency (Reserve).

The risk management process calculates the potential draw on program contingency each quarter, and compares it to the current balance in the Program Contingency. Total risks did not increase from the previous quarter. The fourth quarter 2009 potential draw curve, excluding any potential out-of-scope program risks, is shown in Figure 1.

As of the end of the fourth quarter 2009, the 50 percent probable draw on Program Contingency is $701

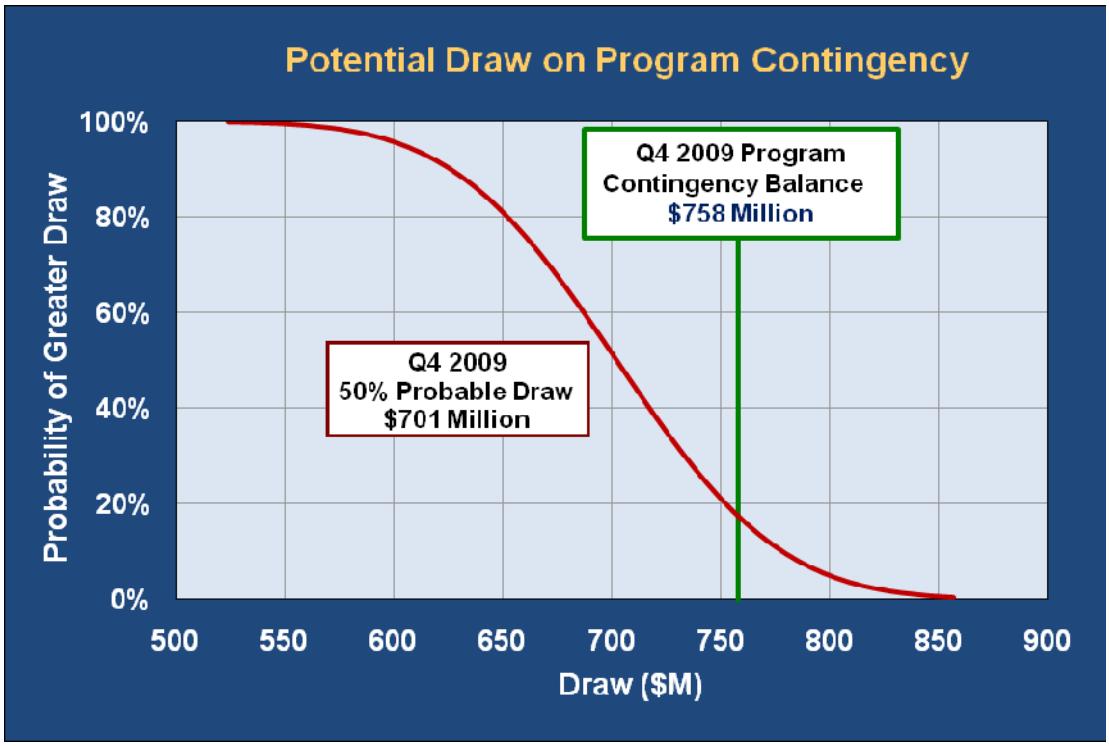


FIGURE 1 – POTENTIAL DRAW ON PROGRAM CONTINGENCY

Note: The Program Contingency funds could be used for other beneficial purposes than to cover risks. The potential draw chart should not be construed as a forecast of the future balance of Program Contingency funds.

million. The potential draw ranges from about $550 million to $850 million.

The $758 million Program Contingency balance is 80 percent probable to be sufficient to cover the identified risks, a significant increase in confidence from the previous quarter. This change illustrates the significant effect that contract bids lower than the estimate can have on the potential draw.

Risk mitigation actions are continuously developed and implemented to reduce the potential draw on the Program Contingency.

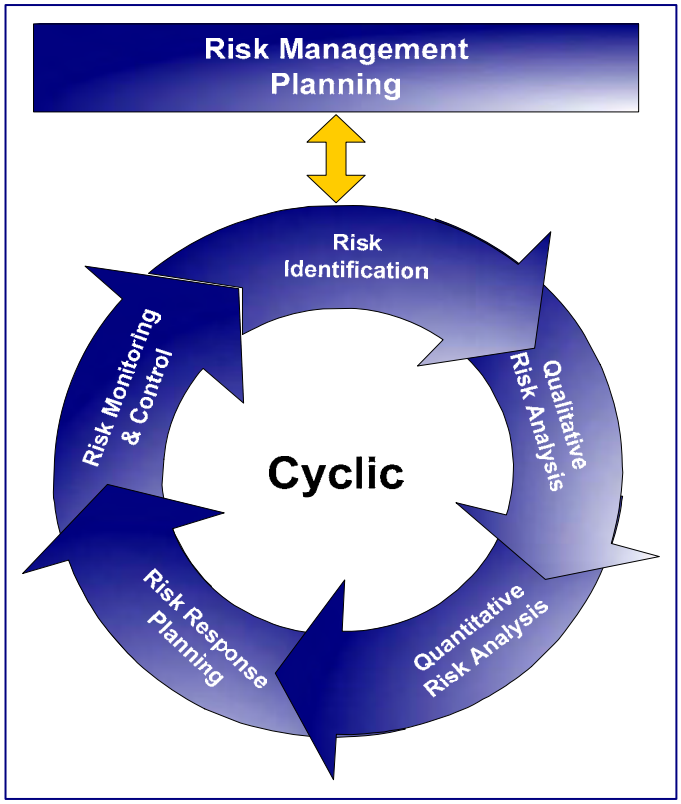
RISK MANAGEMENT DEVELOPMENTS

SAS Contract

The SAS contractor's December 2009 schedule update indicates that the project as a whole is potentially about 11 months behind schedule from the revised contract dates. The TBPOC and Caltrans, in cooperation with the SAS contractor, are continuously assessing and implementing measures to recover potential lost time in the schedule.

The TBPOC approved incentive and disincentive provisions that are proving successful in expediting approved working drawing delivery as well as expediting the Orthotropic Box Girder (OBG) and Tower steel delivery. Working drawings for the East End of OBG Lifts 12 – 14 are progressing well, but remain a critical operation for the project. Working drawing production has been incentivized and working drawings are expected to be "Approved" or "Approved as Noted" by March 2010. The incentives and the placement of key personnel by Caltrans onto this item of work have facilitated getting this challenging issue under control. The TBPOC also approved incentive and disincentive provisions associated with the first and third permanent steel shipments. These provisions have resulted in the first shipment of permanent works departing from the fabrication facility this quarter. This shipment is expected to arrive at the jobsite before the end of January.

Caltrans and the SAS contractor continue to work together to develop and implement a joint planning



schedule. The schedule is continuously assessed to identify future opportunities and actions to mitigate schedule risk. Team China continues to work to mitigate deck and tower fabrication challenges reported in the SAS contractor's latest schedule update. Potential actions include the implementation of complex "mock-up" construction as well as the assessment of additional shop space, should the opportunity arise. Work could proceed in multiple shifts to expedite fabrication.

The Corridor Schedule Team (CST) continues to assess the SAS and other contract schedules. The CST developed an intermediate-level critical path method schedule for the corridor to evaluate schedule risks. This corridor schedule is a summarization of the contract schedules submitted by the various contractors and schedules developed by Caltrans for the contracts in design.

During development and updating of the corridor schedule, the CST and Risk Management Team incorporated several recovery opportunities and other assumptions into the SAS schedule. Most of the recovery opportunities are in the construction phase of the SAS contract and allow for re-sequencing certain

TOLL BRIDGE SEISMIC RETROFIT PROGRAM

Risk Management Program Update (cont.)

work activities to better reflect concurrent work and redefine phase completion requirements.

An important aspect of this schedule and of all schedules for large projects is that there may be multiple critical paths on a project. Focusing on the most critical path, while important, may divert attention from other near-critical paths. The CST continues to assess risk mitigation strategies and opportunities accordingly.

YBITS #1 Contract

The YBITS #1 bids were opened on December 15, 2009. All three bids were well below the engineer's estimate, realizing potential savings identified in a cost risk analysis performed last quarter. The savings are now realized and have increased the funds in Program Contingency, resulting in an improved potential draw outlook.

SAS Voyage 1OBG Lifts 1- 4 East and West Loaded and Ready to Ship

Risk Management Look Ahead

SAS Contract

Forecasting shipment dates continues to be challenging. Although the first OBG shipment has departed the fabrication facility, subsequent shipment dates remain uncertain. The uncertainty should reduce with each shipment as the teams lessons learned are applied to managing the fabrication processes.

The SAS contractor is still contemplating rearranging OBG and Tower lifts among shipments to deliver the bridge components to the jobsite as soon as possible. Also under consideration: adding additional shipments to allow OBG and Tower sections to be delivered without having to wait for other sections to be completed.

Project management will engage the contractor to jointly develop a schedule for the remaining portion of the project. The joint schedule should identify and address specific actions that can be taken to facilitate schedule recovery This schedule can be used as a planning tool to identify risks and their potential impacts to the bridge opening. For example, Caltrans will work with the contractor to identify ways of rearranging the OBG and tower lifts among shipments to help mitigate project delays.

The TBPOC and Caltrans, in cooperation with the SAS contractor, will continue to assess implementation of incentive and disincentive provisions in order to expedite project completion.

SAS Westbound Temporary Structure and Historical Torpedo Room

TOLL BRIDGE SEISMIC RETROFIT PROGRAM

Program Funding Status

AB 144 established a funding level of $8.685 billion for the TBSRP. The bill specifies program funding sources as shown in *Table 1-Program Budget.*

Table 1—Program Budget
as of December 31, 2009 ($ Millions)

	Budgeted	Funding Available & Contributions
Financing		
Seismic Surcharge Revenue AB 1171	2,282.0	2,282.0
Seismic Surcharge Revenue AB 144	2,150.0	2,150.0
BATA Consolidation	820.0	820.0
Subtotal - Financing	**5,252.0**	**5,252.0**
Contributions		
Proposition 192	790.0	789.0
San Diego Coronado Toll Bridge Revenue Fund	33.0	33.0
Vincent Thomas Bridge	15.0	6.9
State Highway Account[1][2]	745.0	745.0
Public Transportation Account[1][3]	130.0	130.0
ITIP/SHOPP/Federal Contingency	448.0	100.0
Federal Highway Bridge Replacement and Rehabilitation (HBRR)	642.0	642.0
SHA - East Span Demolition	300.0	-
SHA - "Efficiency Savings"[4]	130.0	10.0
Redirect Spillover	125.0	125.0
Motor Vehicle Account	75.0	75.0
Subtotal - Contributions	**3,433.0**	**2,655.9**
Total Funding	**8,685.0**	**7,907.9**
Encumbered to Date		**7,168.1**
Remaining Unallocated		**739.8**
Expenditures:		
Capital Outlay		**4,846.1**
State Operations		**1,289.9**
Total Expenditures		**6,136.0**
Encumbrances:		
Capital Outlay		**1,024.3**
State Operations		**7.7**
Total Encumbrances		**1,032.0**
Total Expenditures and Encumbrances		**7,168.0**

(1) The California Transportation Commission adopted a new schedule and changed the PTA/SHA split on December 15, 2005.

(2) To date, $645 million has been transferred from the SHA to the TBSRP, including the full $290 million transfer scheduled by the CTC to occur in 2005-06. An additional $100 million has been expended directly from the account.

(3) To date, $130 million has been transferred from the PTA to the TBSRP, including the full amount of all transfers scheduled by the CTC.

(4) To date, $10 million has been transferred from the SHA to the TBSRP, representing the commitment of "Efficiency Savings" identified under AB 144. Approximately $120 million remains to be distributed as scheduled by the CTC.

Notes:
Program budget includes $900 million program contingency.

Summary of the Toll Bridge Oversight Committee (TBPOC) Expenses

Pursuant to Streets and Highways Code Section 30952.1 (d), expenses incurred by Caltrans, BATA, and the California Transportation Commission (CTC) for costs directly related to the duties associated with the TBPOC are to be reimbursed by toll revenues. *Table 3-Toll Bridge Program Oversight Committee Estimated Expenses: July 1, 2005 through September 30, 2009* shows expenses through June 30, 2009 for TBPOC functioning, support, and monthly and quarterly reporting.

Table 2—CTC Toll Bridge Seismic Retrofit Program Contributions Adopted December 2005

Schedule of Contributions to the Toll Bridge Seismic Retrofit Program ($ Millions)

Source	Description	2005-06 (Actual)	2006-07 (Actual)	2007-08 (Actual)	2008-09 (Actual)	2009-10 (Actual)	2010-11	2011-12	2012-13	2013-14	Total
AB 1171	SHA	290									290
	PTA	80	40								120
	Highway Bridge Replacement and Rehabilitation (HBRR)	100	100	100	42						342
	Contingency				1	99	100	100	148		448
AB 144	SHA*	2	8				53	50	17		130
	Motor Vehicle Account (MVA)	75									75
	Spillover		125								125
	SHA**									300	300
	Total	547	273	100	43	99	153	150	165	300	1830

* *Caltrans Efficiency Savings*
** *SFOBB East Span Demolition Cost*

Table 3—Toll Bridge Program Oversight Committee Estimated Expenses: July 1, 2005 through December 31, 2009 ($ Millions)

Agency/Program Activity	Expenses
BATA	0.8
Caltrans	1.7
CTC	1.2
Reporting	3.4
Total Program	7.1

Seismic Retrofit of the Dumbarton and Antioch Bridges

Antioch Bridge

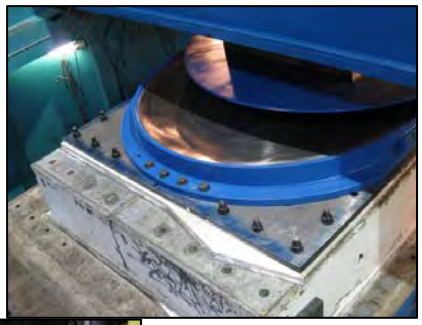
SEISMIC RETROFIT OF DUMBARTON AND ANTIOCH BRIDGES

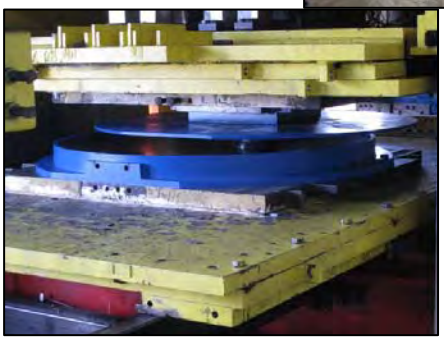
Dumbarton Bridge Seismic Retrofit Project

Project Status: Advertised

The Dumbarton Bridge was opened to traffic in 1982, linking the cities of Newark in Alameda County and East Palo Alto in San Mateo County. The 1.6-mile-long bridge carries average daily traffic of nearly 60,000 vehicles over its six lanes and has an eight-foot bicycle/pedestrian lane to the south.

Though located between the San Andreas and Hayward faults, the Dumbarton Bridge was not included in the Toll Bridge Seismic Retrofit Program based on evaluations made in the 1990s that concluded the bridge did not warrant retrofitting. The bridge has since been re-evaluated for seismic vulnerability based on more recent seismic engineering, which has shown the bridge to be susceptible to damage from a major earthquake.





Dumbarton Prototype Bearing Test at Earthquake Protection Systems (EPS)

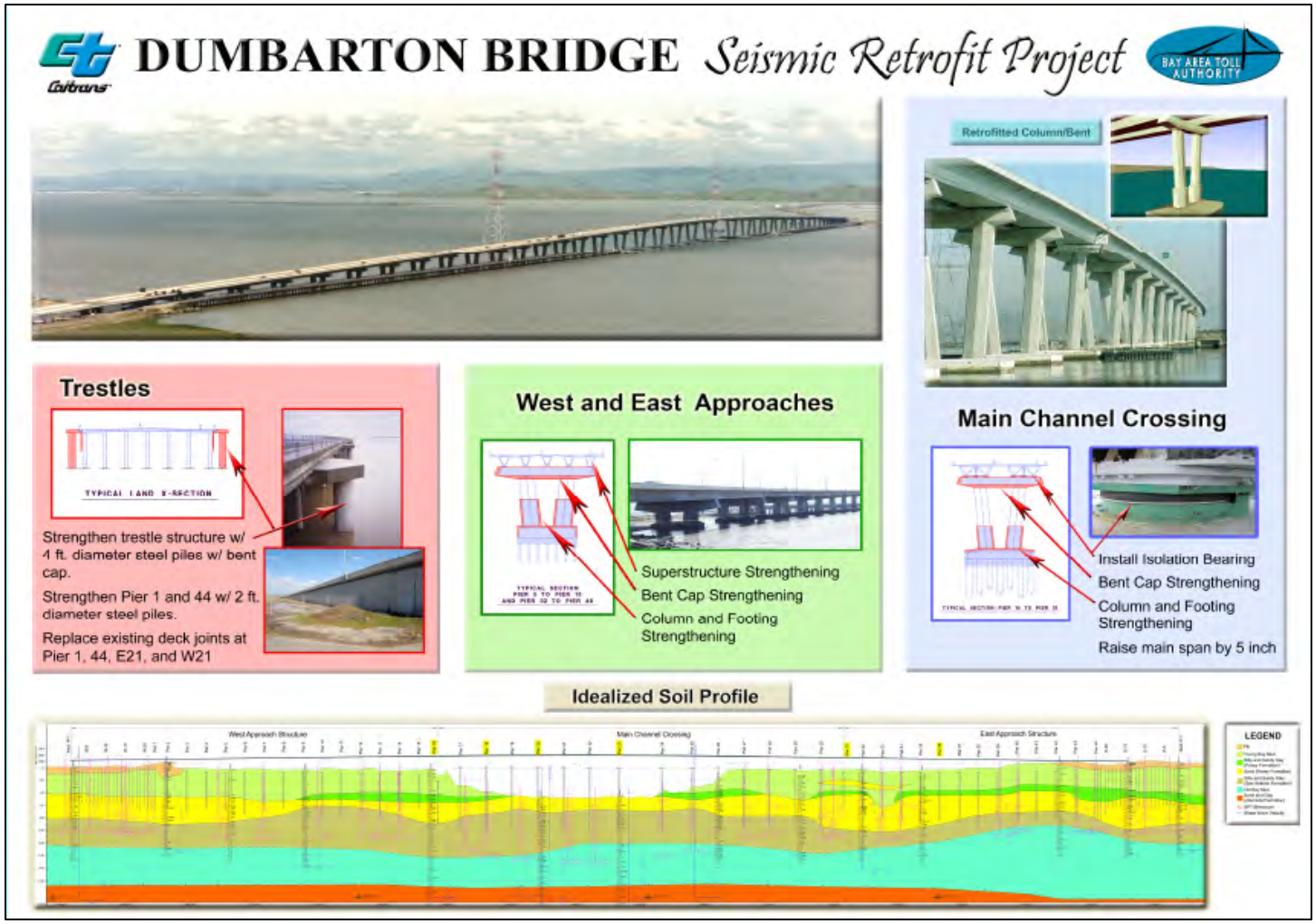
Existing Dumbarton Bridge Looking East toward the Alameda County Foothills

Based on the vulnerability studies and a follow-up sensitivity analysis of seismic risk, Caltrans and BATA decided to take steps towards retrofitting the Dumbarton Bridge, even though full funding for the project has not yet been identified. Using BATA toll bridge rehabilitation funding, a comprehensive seismic analysis of the bridge has commenced. This includes detailed geotechnical and geophysical investigations at the bridge and development of a seismic retrofit strategy and design plans.

The current retrofit strategy for the Dumbarton Bridge includes superstructure and deck modifications, as well as strengthening the over land approach slab structures. Additional activities are identified in the attached diagram. The results of the seismic analysis and proposed retrofit strategy have been presented to the Toll Bridge Seismic Safety Peer Review Panel.

Status: On October 11, 2009, Governor Schwarzenegger approved Assembly Bill 1175 that added the Dumbarton and Antioch Bridges to the Toll Bridge Seismic Retrofit Program. BATA has now initiated efforts to raise tolls on the seven state-owned toll bridges in the Bay Area to, in part, fund the seismic retrofit of the Dumbarton and Antioch bridges.

BATA has already funded design plans for both bridge projects in anticipation of the projects being advertised in early 2010. The total estimated cost of these retrofits has been recently revised from $950 million to $750 million as project plans have been refined with reduced scope, minimizing cost risks. In the future, the project progress report will be updated to better reflect the incorporation of these two projects into the Toll Bridge Seismic Retrofit Program.



Seismic Retrofit Strategy Summary for Dumbarton Bridge

SEISMIC RETROFIT OF DUMBARTON AND ANTIOCH BRIDGES

Antioch Bridge Seismic Retrofit Project

Project Status: Advertised

Serving the Delta region of the Bay Area, the Antioch Bridge takes State Route 160 traffic over the San Joaquin River, linking eastern Contra Costa County with Sacramento County. The current bridge was opened in 1978 with one lane in each direction and carries an average of more than 10,000 vehicles a day. Approximately 1.8 miles long, the bridge is a steel girder support roadway on reinforced concrete columns and foundations.

Like the Dumbarton Bridge, the Antioch bridge was not included in the Toll Bridge Seismic Retrofit Program based on evaluations made in the 1990s that concluded that the bridge did not warrant retrofitting. The Antioch Bridge has since been re-evaluated for seismic vulnerability based on more recent seismic engineering, which has shown the bridge to be susceptible to damage from a major earthquake.

Based on the vulnerability studies and a follow-up sensitivity analysis of seismic risk, Caltrans and BATA decided to take steps toward retrofitting the Antioch Bridge, even though full funding for the project has not yet been identified. Using BATA toll bridge rehabilitation funding, a comprehensive seismic analysis of the bridge has commenced. This analysis includes detailed geotechnical and geophysical investigation at the bridge and the development of a seismic retrofit strategy and design plans.

The current retrofit strategy for the Antioch Bridge includes relatively minor modifications to the approach structure on Sherman Island, the addition of isolation bearings, strengthening of the columns, and hinge retrofits. The results of the seismic analysis and proposed retrofit strategy have been presented to the Toll Bridge Seismic Safety Peer Review Panel.

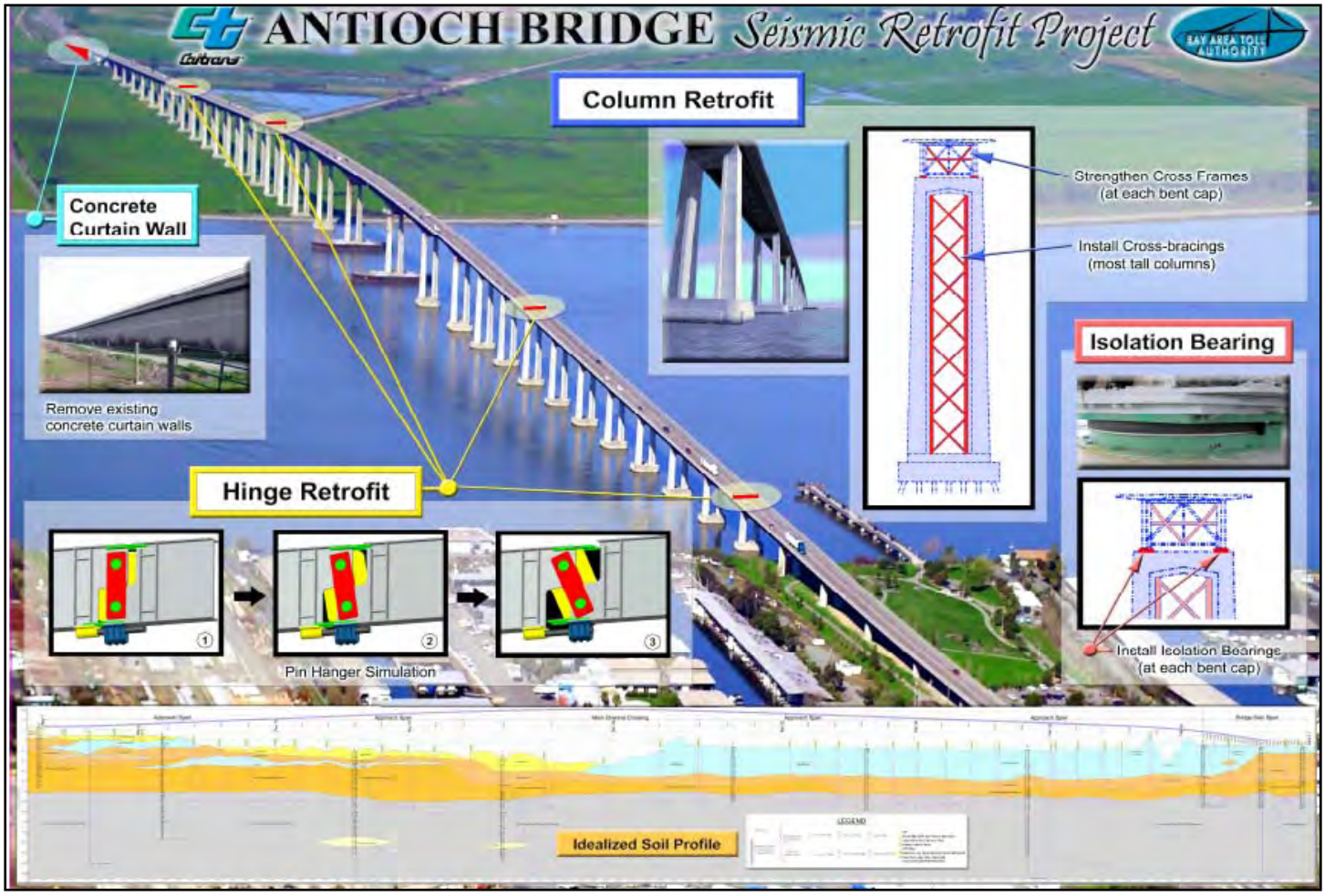
Antioch Bridge

Status: On October 11, 2009, Governor Schwarzenegger approved Assembly Bill 1175 that added the Dumbarton and Antioch Bridges to the Toll Bridge Seismic Retrofit Program. BATA has now initiated efforts to raise tolls on the seven state-owned toll bridges in the Bay Area to, in part, fund the seismic retrofit of the Dumbarton and Antioch bridges.

BATA has already funded design plans for both bridge projects in anticipation of the projects being advertised in early 2010. The total estimated cost of these retrofits has been recently revised from $950 million to $750 million as project plans have been refined with reduced scope, which has minimized cost risks. In the future, the project progress report will be updated to better reflect the incorporation of these two projects into the Toll Bridge Seismic Retrofit Program.

The Antioch Bridge Seismic Retrofit project was risk-advertised in December 2009.

Prototype of Bearing for the Antioch Bridge Seismic Retrofit Project



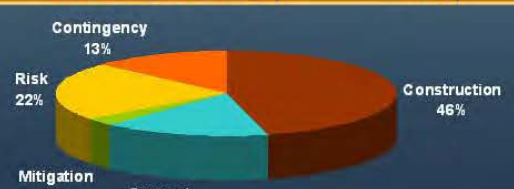
Seismic Retrofit Strategy Summary for Antioch Bridge

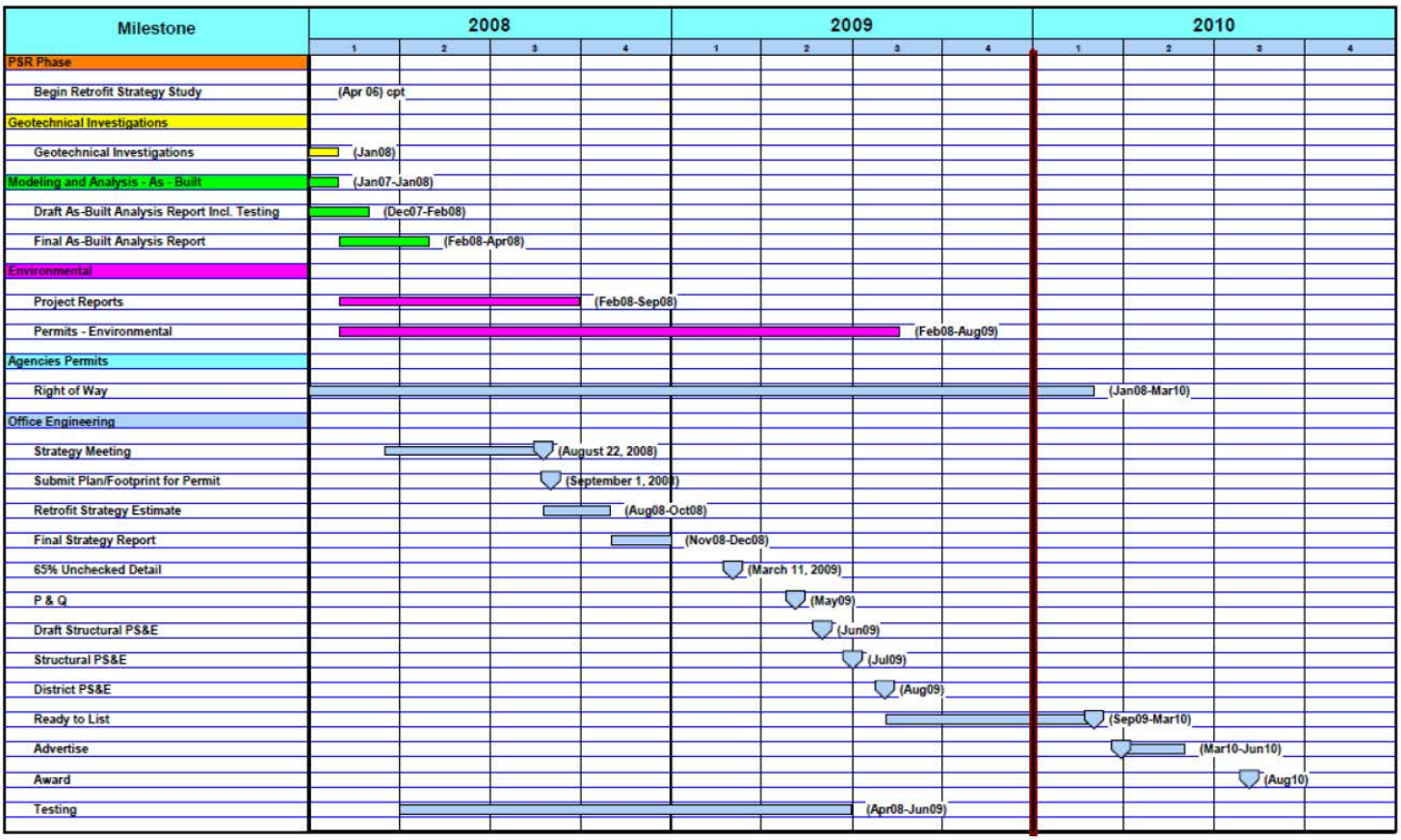
Seismic Retrofits of Dumbarton and Antioch Bridges

Project Cost and Schedule Summaries

Total Project Costs – $750 Million

Description	Antioch ($ Millions)	Dumbarton ($ Millions)
CONSTRUCTION COST ESTIMATE (ESCALATION TO MID YEAR OF CONSTRUCTION)	$98	$195
CONTINGENCIES	45	65
SUBTOTAL CAPITAL COST ESTIMATE	143	260
SUPPORT COST ESTIMATE	39	95
MITIGATION COST ESTIMATE	13	10
RISK COST ESTIMATE	72	118
TOTAL COST ESTIMATE	$267	$483





Benicia-Martinez Bridge

REGIONAL MEASURE 1 TOLL BRIDGE PROGRAM

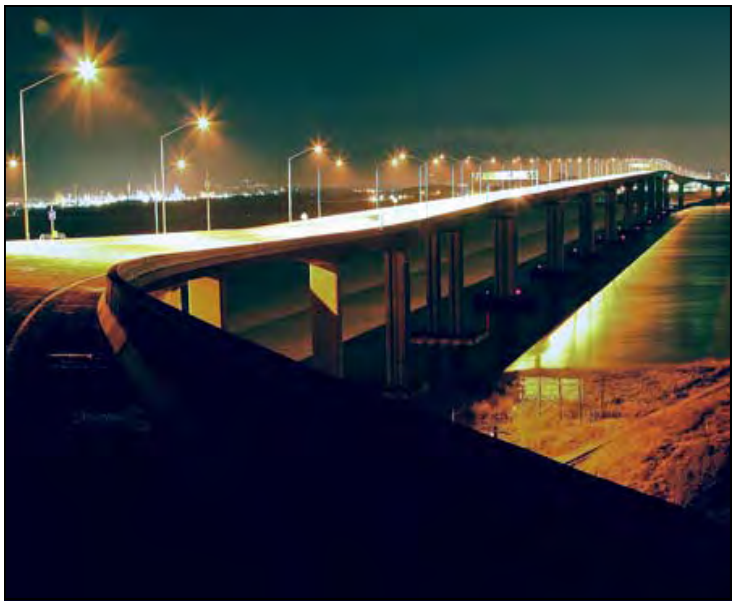
REGIONAL MEASURE 1 PROGRAM

New Benicia-Martinez Bridge Project

Project Status: New Bridge Completed 2007

The new Congressman George Miller Bridge opened to traffic in August 2007, taking its place alongside the existing 1962 Benicia-Martinez Bridge, which is named for Congressman Miller's father, the late George Miller, Jr. The new bridge carries five lanes of northbound Interstate 680 traffic, while the existing bridge is being upgraded to carry four lanes of southbound traffic and a new bicycle/pedestrian pathway.

Decades into the planning and construction, the new bridge is designed to a "Lifeline" seismic design standard, expected to be available for emergency response vehicles soon after a major seismic event. Constructed of lightweight concrete, the structure is one of the longest post-tensioned reinforced cast-in-place concrete bridges in the world. The new toll plaza, relocated from Benicia to Martinez, features the Bay Area's first FasTrak® express lanes, which vastly increase the throughput of vehicles using electronic toll collection.



New Benicia-Martinez Bridge Opened to Traffic in August 2007

1962 Benicia-Martinez Bridge Reconstruction Contract

Contractor: ACC/Top Grade, Joint Venture
Approved Capital Outlay Budget: $59.5 M
Status: Complete

A two-year project to rehabilitate and reconfigure the original Benicia-Martinez Bridge began shortly after the opening of the new Congressman George Miller Bridge. The existing 1.2-mile roadway surface on the steel deck truss bridge is being modified to carry four lanes of southbound traffic (one more than before)—with shoulders on both sides—plus a bicycle/pedestrian path on the west side of the span that will connect to Park Road in Benicia and to Marina Vista Boulevard in Martinez.

Stage 1 – Reconstruction of East Side of Bridge and Approaches

Completed in August 2008, this stage involved removal of the old toll plaza on the Benicia side of the bridge, deck repairs on the east side of the span, and repair of the roadway undulations on the southern approach just south of the Marina Vista interchange.

Mococo Road Bridge Jacking

Stage 2 – Reconstruction of West Side of Bridge and Approaches and Construction of Bicycle/Pedestrian Pathway

This stage began after southbound traffic was shifted from the west side of the bridge to the newly refurbished east side. It involves repairing the west-side bridge deck, repairing undulations on the west side of the roadway in Martinez, demolishing obsolete I-680/I-780 interchange structures, realigning southbound Interstate 680 for four lanes, and construction of the barrier separating traffic lanes from the bicycle/pedestrian path.

Status: A new southbound I-680 was opened to traffic in early August. The new bicycle/pedestrian path opened on August 29. The contract is now complete.

Benicia-Martinez Bridge Newly Opened Pedestrian/Bicycle Pathway

Benicia-Martinez Bridge Pedestrian/Bicycle Pathway Opened to The Public

REGIONAL MEASURE 1 PROGRAM

Interstate 880/State Route 92 Interchange Reconstruction Project
Project Status: Under Construction

The Interstate 880/State Route 92 Interchange Reconstruction Project is the final project under the Regional Measure 1 Toll Bridge Program. Project completion fulfills a promise made to Bay Area voters in 1988 to deliver a slate of projects that help expand bridge capacity and improve safety on the bridges.

This corridor is consistently one of the Bay Area's most congested during the evening commute. This is due in part to the lane merging and weaving that is required by the existing cloverleaf interchange. The new interchange will feature direct freeway-to-freeway connector ramps that will increase traffic capacity and improve overall safety and traffic operations in the area. With the new direct-connector ramps, drivers coming off the San Mateo-Hayward Bridge can access Interstate 880 without having to compete with traffic headed onto east Route 92 from south Interstate 880 (see progress photos on pages 86 and 87).

Future Interstate 880/State Route 92 Interchange (as simulated) ,Looking West toward San Mateo.

Interstate 880/State Route 92 Interchange Reconstruction Contract

Contractor: Flatiron/Granite
Approved Capital Outlay Budget: $155.0 M
Status: 63% Complete As Of November 2009

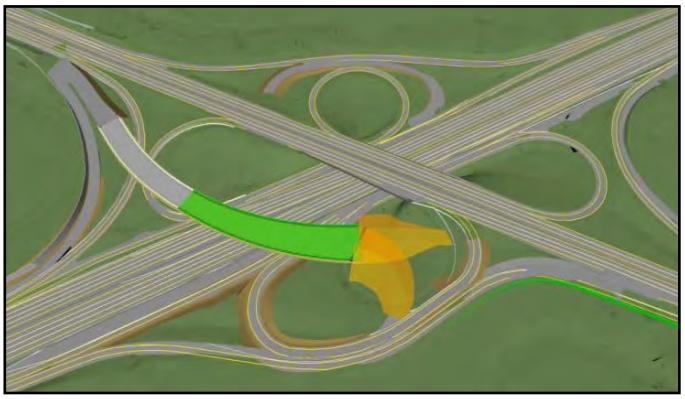
Overview of Progress to Date

92/880 Pump Station Construction in Progress

Stage 1 – Construct East Route 92 to North Interstate 880 Connector

The new east Route 92 to north Interstate 880 connector (ENCONN) is the most critical flyover structure for relieving congestion in the corridor. The ENCONN will be first used as a detour to allow for future stages of work, while keeping traffic flowing.

Status: ENCONN was completed and opened to detour traffic on May 16, 2009.

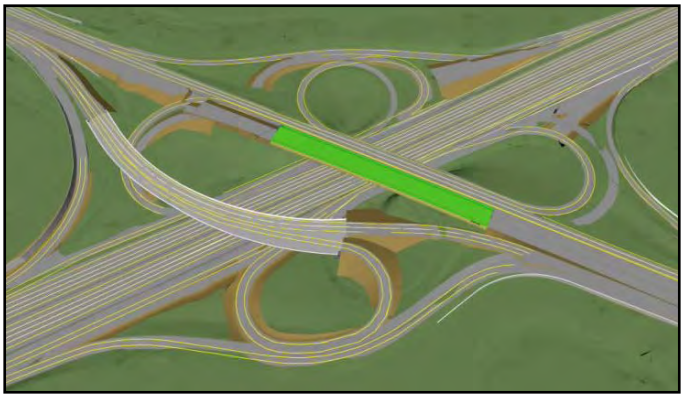


Stage 1 - Construct East Route 92 to North Interstate 880 Direct Connector

Stage 2 – Replace South Side of Route 92 Separation Structure

By detouring eastbound Route 92 traffic onto ENCONN, the existing separation structure that carries SR92 over I-880 can be replaced. The existing structure will be cut lengthwise, and then demolished and replaced separately. In this stage, the south side of the structure will be replaced, while west Route 92 and south-Interstate-880-to-east-Route-92 traffic will stay on the remaining structure.

Status: Work on the south side of the separation structure is nearly complete. The concrete roadway will be poured in January 2010 and pending weather, will be opened in March 2010. Foundations and columns have been installed.

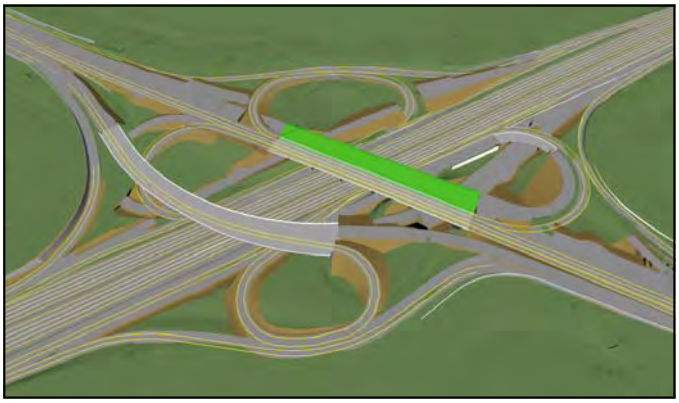


Stage 2 - Demolish and Replace South Side of Route 92 Separation Structure

Stage 3 – Replace North Side of Route 92 Separation Structure

Upon completion of Stage 2, the existing north side of the separation structure will be demolished and replaced. Its traffic will then be shifted onto the newly reconstructed south side.

Status: Pending Stage 2.

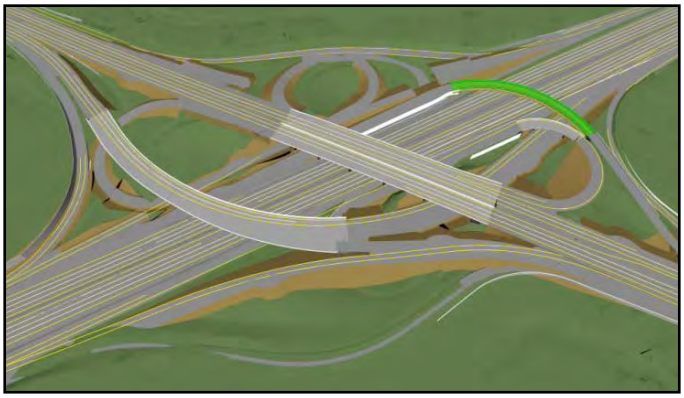


Stage 3 - Demolish and Replace North Side of Route 92 Separation Structure

Stage 4 – Final Realignment and Other Work

Upon completion of the Route 92 separation structure, east Route 92 traffic can be shifted onto its permanent alignment from the new ENCONN and directly under the new separation structure. Along with the ENCONN and Route 92 separation structures, several soundwalls, a pedestrian overcrossing on I-880 at Eldridge Avenue and other ramps and structures will also be reconstructed as part of this project.

Status: Work continues on walls in the northwest (Stage 2), southeast and northeast quadrants, as well as on the Eldridge Avenue pedestrian overcrossing. The new pump station construction is ongoing and scheduled to be completed in February 2010. The Calaroga Bridge is 50 percent complete.



Stage 4 - Final Realignment and Other Work

REGIONAL MEASURE 1 PROGRAM

Other Completed Projects

San Mateo-Hayward Bridge-Widening Project
Project Status: Completed 2003

This project expanded the low-rise concrete trestle section of the San Mateo-Hayward Bridge to allow for three lanes in each direction to match the existing configuration of the high-rise steel section of the bridge.

Widening of the San Mateo-Hayward Bridge Trestle on Left

Richmond-San Rafael Bridge Rehabilitation Projects
Project Status: Completed 2006

Two major rehabilitation projects for the Richmond-San Rafael Bridge were funded and completed:
(1) replacement of the western concrete approach trestle and ship-collision protection fender system; and
(2) rehabilitation of deck joints and resurfacing of the bridge deck.

In 2005, along with the seismic retrofit of the bridge, the trestle and fender replacement work was completed as part of the same project. Under a separate contract in 2006, the bridge was resurfaced with a polyester concrete overlay along with the repair of numerous deck joints.

New Richmond-San Rafael Bridge West Approach Trestle under Construction

Richmond Parkway Construction Project
Project Status: Completed 2001

The final connections to the Richmond Parkway from Interstate 580 near the Richmond-San Rafael Bridge were completed in May 2001.

New Alfred Zampa Memorial (Carquinez) Bridge Soon after Opening to Traffic, with Crockett Interchange Still under Construction

New Alfred Zampa Memorial (Carquinez) Bridge Project
Project Status: Completed 2003

The new western span of the Carquinez Bridge, which replaced the original 1927 span, is a twin-towered suspension bridge with three mixed-flow lanes, a new carpool lane shoulders and a bicycle and pedestrian pathway.

Bayfront Expressway (State Route 84) Widening Project
Project Status: Completed 2004

This project expanded and improved the roadway from the Dumbarton Bridge touchdown to the US 101/Marsh Road interchange by adding additional lanes and turn pockets and improving bicycle and pedestrian access in the area.

View of Existing Bridge Span YB2 and YB1 Demolition

APPENDICES

Appendix A-1: TBSRP AB 144/SB 66 Baseline Budget, Forecasts and

Contract	AB 144 / SB 66 Budget (07/2005)	Approved Changes	Current Approved Budget (12/2009)	Cost To Date (12/2009)	Cost Forecast (12/2009)	At-Completion Variance
a	c	d	e = c + d	f	g	h = g - e
SFOBB East Span Replacement Project						
Capital Outlay Support	959.3	-	959.3	802.2	1,252.5	293.2
Capital Outlay Construction	4,492.2	203.8	4,696.0	3,150.8	4,875.2	179.2
Other Budgeted Capital	35.1	(3.3)	31.8	0.7	7.7	(24.1)
Total	5,486.6	200.5	5,687.1	3,953.7	6,135.4	448.3
SFOBB West Approach Replacement						
Capital Outlay Support	120.0	(3.0)	117.0	116.9	117.0	-
Capital Outlay Construction	309.0	41.7	350.7	328.1	338.1	(12.6)
Total	429.0	38.7	467.7	445.0	455.1	(12.6)
SFOBB West Span Retrofit						-
Capital Outlay Support	75.0	-	75.0	74.8	75.0	-
Capital Outlay Construction	232.9	-	232.9	227.2	232.9	-
Total	307.9	-	307.9	302.0	307.9	-
Richmond-San Rafael Bridge Retrofit						
Capital Outlay Support	134.0	(7.0)	127.0	126.7	127.0	-
Capital Outlay Construction	780.0	(90.5)	689.5	667.5	689.5	-
Total	914.0	(97.5)	816.5	794.2	816.5	-
Benicia-Martinez Bridge Retrofit						-
Capital Outlay Support	38.1	-	38.1	38.1	38.1	-
Capital Outlay Construction	139.7	-	139.7	139.7	139.7	-
Total	177.8	-	177.8	177.8	177.8	-
Carquinez Bridge Retrofit						
Capital Outlay Support	28.7	-	28.7	28.8	28.7	-
Capital Outlay Construction	85.5	-	85.5	85.4	85.5	-
Total	114.2	-	114.2	114.2	114.2	-
San Mateo-Hayward Bridge Retrofit						-
Capital Outlay Support	28.1	-	28.1	28.1	28.1	-
Capital Outlay Construction	135.4	-	135.4	135.3	135.4	-
Total	163.5	-	163.5	163.4	163.5	-
Vincent Thomas Bridge Retrofit (Los Angeles)						
Capital Outlay Support	16.4	-	16.4	16.4	16.4	-
Capital Outlay Construction	42.1	-	42.1	42.0	42.1	-
Total	58.5	-	58.5	58.4	58.5	-
San Diego-Coronado Bridge Retrofit						
Capital Outlay Support	33.5	-	33.5	33.2	33.5	-
Capital Outlay Construction	70.0	-	70.0	69.4	70.0	-
Total	103.5	-	103.5	102.6	103.5	-
Subtotal Capital Outlay Support	1,433.1	(10.0)	1,423.1	1,265.2	1,716.3	293.2
Subtotal Capital Outlay	6,286.8	155.0	6,441.8	4,845.4	6,608.4	166.6
Subtotal Other Budgeted Capital	35.1	(3.3)	31.8	0.7	7.7	(24.1)
Miscellaneous Program Costs	30.0	-	30.0	24.7	30.0	-
Subtotal Toll Bridge Seismic Retrofit Program	7,785.0	141.7	7,926.7	6,136.0	8,362.4	435.7
Programatic Risk	-	-	-	-	265.3	265.3
Program Contingency	900.0	(141.7)	758.3	-	57.3	(701.0)
Total Toll Bridge Seismic Retrofit Program	8,685.0	-	8,685.0	6,136.0	8,685.0	-

Note: Details may not sum to totals due to rounding effects.

Appendix A-2: TBSRP AB 144/SB 66 Baseline Budget, Forecasts and Expenditures through December 31, 2009 ($ Millions)

Bridge	AB 144 Baseline Budget	TBPOC Current Approved Budget	Expenditures to date and Encumbrances as of Dec 2009 See Note (1)	Estimated Costs not yet Spent or Encumbered as of Dec 2009	Total Forecast as of Dec 2009
a	b	c	d	e	f = d + e
Other Completed Projects					
Capital Outlay Support	144.9	144.9	144.6	0.3	144.9
Capital Outlay	472.6	472.6	472.6	0.1	472.7
Total	617.5	617.5	617.2	0.4	617.6
Richmond-San Rafael					
Capital Outlay Support	134.0	127.0	126.7	0.3	127.0
Capital Outlay	698.0	689.5	674.2	15.3	689.5
Project Reserves	82.0	-	-	-	-
Total	914.0	816.5	800.9	15.6	816.5
West Span Retrofit					
Capital Outlay Support	75.0	75.0	74.8	0.2	75.0
Capital Outlay	232.9	232.9	232.7	0.2	232.9
Total	307.9	307.9	307.5	0.4	307.9
West Approach					
Capital Outlay Support	120.0	117.0	117.6	(0.6)	117.0
Capital Outlay	309.0	350.7	342.5	(4.4)	338.1
Total	429.0	467.7	460.1	(5.0)	455.1
SFOBB East Span -Skyway					
Capital Outlay Support	197.0	181.2	181.3	(0.1)	181.2
Capital Outlay	1,293.0	1,254.1	1,368.4	(114.3)	1,254.1
Total	1,490.0	1,435.3	1,549.7	(114.4)	1,435.3
SFOBB East Span -SAS- Superstructure					
Capital Outlay Support	214.6	214.6	202.9	250.2	453.1
Capital Outlay	1,753.7	1,753.7	1,649.6	297.9	1,947.5
Total	1,968.3	1,968.3	1,852.5	548.1	2,400.6
SFOBB East Span -SAS- Foundations					
Capital Outlay Support	62.5	37.6	37.6	-	37.6
Capital Outlay	339.9	307.3	308.7	(1.4)	307.3
Total	402.4	344.9	346.3	(1.4)	344.9
Small YBI Projects					
Capital Outlay Support	10.6	10.6	10.1	0.5	10.6
Capital Outlay	15.6	15.6	16.6	(0.9)	15.7
Total	26.2	26.2	26.7	(0.4)	26.3
YBI Detour					
Capital Outlay Support	29.5	84.5	78.7	12.0	90.7
Capital Outlay	131.9	492.9	493.0	(5.7)	487.3
Total	161.4	577.4	571.7	6.3	578.0
YBI - Transition Structures					
Capital Outlay Support	78.7	78.8	16.4	100.5	116.9
Capital Outlay	299.4	206.3	0.1	210.8	210.9
Total	378.1	285.1	16.5	311.3	327.8
Oakland Touchdown					
Capital Outlay Support	74.4	84.6	70.9	24.0	94.9
Capital Outlay	283.8	288.0	218.0	63.4	281.4
Total	358.2	372.6	288.9	87.4	376.3
East Span Other Small Project					
Capital Outlay Support	212.3	206.5	210.4	(3.8)	206.6
Capital Outlay	170.8	170.8	94.0	52.6	146.6
Total	383.1	377.3	304.4	48.8	353.2
Existing Bridge Demolition					
Capital Outlay Support	79.7	60.9	0.4	60.5	60.9
Capital Outlay	239.2	239.1	-	232.1	232.1
Total	318.9	300.0	0.4	292.6	293.0
Miscellaneous Program Costs	30.0	30.0	25.3	4.7	30.0
Total Capital Outlay Support (2)	1,463.2	1,453.2	1,297.7	448.7	1,746.4
Total Capital Outlay	6,321.8	6,473.5	5,870.4	745.7	6,616.1
Program Total	7,785.0	7,926.7	7,168.1	1,194.4	8,362.5

(1). Funds allocated to project or contract for Capital Outlay and Support needs includes Capital Outlay Support total allocation for FY 06/07.
(2). BSA provided a distribution of program contingency in December 2004 based on Bechtel Infrastructure Corporation input.
This column is subject to revision upon completion of Department's risk assessment update.
(3). Total Capital Outlay Support includes program indirect costs.

Note: Details may not sum to totals due to rounding effects.

Notes: * Budget for Richmond-San Rafael Bridge includes $16.9 million of deck joint rehabilitation work that is considered to be eligible for seismic retrofit program funding.

Appendix B: TBSRP (SFOBB East Span Only) AB 144/SB 66 Baseline Budget, Forecasts and Expenditures through December 31, 2009 ($ Millions)

Contract	EA Number	AB 144 / SB 66 Budget (07/2005)	Approved Changes	Current Approved Budget (12/2009)	Cost To Date (12/2009)	Cost Forecast (12/2009)	At-Completion Variance
a	b	c	d	e = c + d	f	g	h = g - e
San Francisco-Oakland Bay Bridge East Span Replacement Project							
East Span - SAS Superstructure	0120FX						
Capital Outlay Support		214.6	-	214.6	199.4	453.1	238.5
Capital Outlay Construction		1,753.7	-	1,753.7	865.3	1,947.5	193.8
Total		1,968.3	-	1,968.3	1,064.7	2,400.6	432.3
SAS W2 Foundations	0120CX						
Capital Outlay Support		10.0	(0.8)	9.2	9.2	9.2	-
Capital Outlay Construction		26.4	-	26.4	25.8	26.4	-
Total		36.4	(0.8)	35.6	35.0	35.6	-
YBI South/South Detour	0120RX						
Capital Outlay Support		29.4	55.1	84.5	77.4	90.7	6.2
Capital Outlay Construction		132.0	360.9	492.9	414.7	487.3	(5.6)
Total		161.4	416.0	577.4	492.1	578.0	0.6
YBI Transition Structures (see notes below)	0120PX						
Capital Outlay Support		78.7	0.1	78.8	29.0	116.9	38.1
Capital Outlay Construction		299.3	(93.0)	206.3	-	210.9	4.6
Total		378.0	(92.9)	285.1	29.0	327.8	42.7
* YBI- Transition Structures Prior-to-Split Costs							
Capital Outlay Support				16.7	16.4	16.4	(0.3)
Capital Outlay Construction				-	-	-	-
Total				16.7	16.4	16.4	(0.3)
* YBI- Transition Structures Contract No. 1							
Capital Outlay Support				45.1	9.0	75.1	30.1
Capital Outlay Construction				144.0	-	159.9	15.9
Total				189.1	9.0	235.0	46.0
* YBI- Transition Structures Contract No. 2							
Capital Outlay Support				16.0	3.6	24.4	8.4
Capital Outlay Construction				59.0	-	47.7	(11.3)
Total				75.0	3.6	72.1	(2.9)
* YBI- Transition Structures Contract No. 3 Landscape							
Capital Outlay Support				1.0	-	1.0	-
Capital Outlay Construction				3.3	-	3.3	-
Total				4.3	-	4.3	-
Oakland Touchdown (see notes below)	01204X						
Capital Outlay Support		74.4	10.2	84.6	69.4	94.9	10.3
Capital Outlay Construction		283.8	4.2	288.0	201.8	281.4	(6.6)
Total		358.2	14.4	372.6	271.2	376.3	3.7
* OTD Prior-to-Split Costs							
Capital Outlay Support				21.0	20.0	21.7	0.7
Capital Outlay Construction				-	-	-	-
Total				21.0	20.0	21.7	0.7
* OTD Submarine Cable	0120K4						
Capital Outlay Support				0.9	0.9	0.9	-
Capital Outlay Construction				9.6	7.9	9.6	-
Total				10.5	8.8	10.5	-
* OTD No. 1 (Westbound)	0120L4						
Capital Outlay Support				45.5	42.3	47.3	1.8
Capital Outlay Construction				212.0	194.0	210.4	(1.6)
Total				257.5	236.3	257.7	0.2
* OTD No. 2 (Eastbound)	0120M4						
Capital Outlay Support				15.8	5.4	23.5	7.7
Capital Outlay Construction				62.0	-	57.0	(5.0)
Total				77.8	5.4	80.5	2.7
* OTD Electrical Systems	0120N4						
Capital Outlay Support				1.4	0.8	1.5	0.1
Capital Outlay Construction				4.4	-	4.4	-
Total				5.8	0.8	5.9	0.1
Notes: YBI Transition Structures and Oakland Touchdown Cost-to-Date and Cost Forecast includes prior-to-split Capital Outlay							

Note: Details may not sum to totals due to rounding effects.

Appendix B: TBSRP (SFOBB East Span Only) AB 144/SB 66 Baseline Budget, Forecasts and Expenditures through December 31, 2009 ($ Millions) (continued)

Contract	EA Number	AB 144 / SB 66 Budget (07/2005)	Approved Changes	Current Approved Budget (12/2009)	Cost To Date (12/2009)	Cost Forecast (12/2009)	At-Completion Variance
a	b	c	d	e = c + d	f	g	h = g - e
East Span - Skyway	01202X						
Capital Outlay Support		197.0	(15.8)	181.2	181.1	181.2	-
Capital Outlay Construction		1,293.0	(38.9)	1,254.1	1,236.9	1,254.1	-
Total		1,490.0	(54.7)	1,435.3	1,418.0	1,435.3	-
East Span - SAS E2/T1 Foundations	0120EX						-
Capital Outlay Support		52.5	(24.1)	28.4	28.4	28.4	-
Capital Outlay Construction		313.5	(32.6)	280.9	275.0	280.9	-
Total		366.0	(56.7)	309.3	303.4	309.3	-
Existing Bridge Demolition	01209X						
Capital Outlay Support		79.7	(18.8)	60.9	0.4	60.9	-
Capital Outlay Construction		239.2	(0.1)	239.1	-	232.1	(7.0)
Total		318.9	(18.9)	300.0	0.4	293.0	(7.0)
YBI/SAS Archeology	01207X						
Capital Outlay Support		1.1	-	1.1	1.1	1.1	-
Capital Outlay Construction		1.1	-	1.1	1.1	1.1	-
Total		2.2	-	2.2	2.2	2.2	-
YBI - USCG Road Relocation	0120QX						
Capital Outlay Support		3.0	-	3.0	2.7	3.0	-
Capital Outlay Construction		3.0	-	3.0	2.8	3.0	-
Total		6.0	-	6.0	5.5	6.0	-
YBI - Substation and Viaduct	0120GX						
Capital Outlay Support		6.5	-	6.5	6.4	6.5	-
Capital Outlay Construction		11.6	-	11.6	11.3	11.6	-
Total		18.1	-	18.1	17.7	18.1	-
Oakland Geofill	01205X						-
Capital Outlay Support		2.5	-	2.5	2.5	2.5	-
Capital Outlay Construction		8.2	-	8.2	8.2	8.2	-
Total		10.7	-	10.7	10.7	10.7	-
Pile Installation Demonstration Project	01208X						
Capital Outlay Support		1.8	-	1.8	1.8	1.8	-
Capital Outlay Construction		9.2	-	9.2	9.2	9.2	-
Total		11.0	-	11.0	11.0	11.0	-
Stormwater Treatment Measures	0120JX						
Capital Outlay Support		6.0	2.2	8.2	8.1	8.2	-
Capital Outlay Construction		15.0	3.3	18.3	16.7	18.3	-
Total		21.0	5.5	26.5	24.8	26.5	-
Right-of-Way and Environmental Mitigation	0120X9						
Capital Outlay Support		-	-	-	-	-	-
Capital Outlay & Right-of-Way		72.4	-	72.4	51.2	72.4	-
Total		72.4	-	72.4	51.2	72.4	-
Sunk Cost - Existing East Span Retrofit	04343X & 04300X						
Capital Outlay Support		39.5	-	39.5	39.5	39.5	-
Capital Outlay Construction		30.8	-	30.8	30.8	30.8	-
Total		70.3	-	70.3	70.3	70.3	-
Other Capital Outlay Support							
Environmental Phase		97.7	-	97.7	97.7	97.7	-
Pre-Split Project Expenditures		44.9	-	44.9	44.9	44.9	-
Non-project Specific Costs		20.0	(8.0)	12.0	3.2	12.0	-
Total		162.6	(8.0)	154.6	145.8	154.6	-
Subtotal Capital Outlay Support		959.3	-	959.3	802.2	1,252.5	293.2
Subtotal Capital Outlay Construction		4,492.2	203.8	4,696.0	3,150.8	4,875.2	179.2
Other Budgeted Capital		35.1	(3.3)	31.8	0.7	7.7	(24.1)
							-
Total SFOBB East Span Replacement Project		5,486.6	200.5	5,687.1	3,953.7	6,135.4	448.3

Note: Details may not sum to totals due to rounding effects.

Appendix C: Regional Measure 1 Program Cost Detail ($ Millions)

Project	EA Number	BATA Budget (07/2005)	Approved Changes	Current Approved Budget (12/2009)	Cost To Date (12/2009)	Cost Forecast (12/2009)	At-Completion Variance
a	b	c	d	e = c + d	f	g	h = g - e
New Benicia-Martinez Bridge Project							
New Bridge	**00603_**						
Capital Outlay Support							
BATA Funding		84.9	6.9	91.8	91.8	91.8	-
Non-BATA Funding		-	0.1	0.1	0.1	0.1	-
Subtotal		84.9	7.0	91.9	91.9	91.9	-
Capital Outlay Construction				-			-
BATA Funding		661.9	94.6	756.5	753.8	756.5	-
Non-BATA Funding		10.1	-	10.1	10.1	10.1	-
Subtotal		672.0	94.6	766.6	763.9	766.6	-
Total		756.9	101.6	858.5	855.8	858.5	-
I-680/I-780 Interchange Reconstruction	**00606_**						
Capital Outlay Support							
BATA Funding		24.9	5.2	30.1	30.1	30.1	-
Non-BATA Funding		1.4	5.2	6.6	6.3	6.6	-
Subtotal		26.3	10.4	36.7	36.4	36.7	-
Capital Outlay Construction							
BATA Funding		54.7	26.9	81.6	77.1	81.6	-
Non-BATA Funding		21.6	-	21.6	21.7	21.6	-
Subtotal		76.3	26.9	103.2	98.8	103.2	-
Total		102.6	37.3	139.9	135.2	139.9	-
I-680/Marina Vista Interchange Reconstruction	**00605_**						
Capital Outlay Support		18.3	1.8	20.1	20.1	20.1	-
Capital Outlay Construction		51.5	4.9	56.4	56.1	56.4	-
Total		69.8	6.7	76.5	76.2	76.5	-
New Toll Plaza and Administration Building	**00604_**						
Capital Outlay Support		11.9	3.8	15.7	15.7	15.7	-
Capital Outlay Construction		24.3	2.0	26.3	25.1	26.3	-
Total		36.2	5.8	42.0	40.8	42.0	-
Existing Bridge & Interchange Modifications	**0060A_**						
Capital Outlay Support							
BATA Funding		4.3	13.5	17.8	17.7	17.8	-
Non-BATA Funding		-	0.9	0.9	0.8	0.9	-
Subtotal		4.3	14.4	18.7	18.5	18.7	-
Capital Outlay Construction							
BATA Funding		17.2	32.8	50.0	36.6	50.0	-
Non-BATA Funding		-	9.5	9.5	-	9.5	-
Subtotal		17.2	42.3	59.5	36.6	59.5	-
Total		21.5	56.7	78.2	55.1	78.2	-
Other Contracts	**See note below**						
Capital Outlay Support		11.4	(2.3)	9.1	8.8	9.1	-
Capital Outlay Construction		20.3	3.3	23.6	17.3	23.6	-
Capital Outlay Right-of-Way		20.4	(0.1)	20.3	17.0	20.3	-
Total		52.1	0.9	53.0	43.1	53.0	-
Subtotal BATA Capital Outlay Support		155.7	28.9	184.6	184.2	184.6	-
Subtotal BATA Capital Outlay Construction		829.9	164.5	994.4	966.0	994.4	-
Subtotal Capital Outlay Right-of-Way		20.4	(0.1)	20.3	17.0	20.3	-
Subtotal Non-BATA Capital Outlay Support		1.4	6.2	7.6	7.2	7.6	-
Subtotal Non-BATA Capital Outlay Construction		31.7	9.5	41.2	31.8	41.2	-
Project Reserves		20.8	3.6	24.4	-	24.4	-
Total New Benicia-Martinez Bridge Project		1,059.9	212.6	1,272.5	1,206.2	1,272.5	-

Notes: **Includes EA's 00601_,00603_,00605_,00606_, 00608_, 00609_, 0060A_, 0060C_, 0060E_, 0060F_, 0060G_, and 0060H_ and all Project Right-of-Way**

Note: Details may not sum to totals due to rounding effects.

Appendix C: Regional Measure 1 Program Cost Detail ($ Millions) (Continued)

Project	EA Number	BATA Budget (07/2005)	Approved Changes	Current Approved Budget (12/2009)	Cost To Date (12/2009)	Cost Forecast (12/2009)	At-Completion Variance
a	b	c	d	e = c + d	f	g	h = g - e
Carquinez Bridge Replacement Project							
New Bridge	**01301_**						
Capital Outlay Support		60.5	(0.3)	60.2	60.2	60.2	-
Capital Outlay Construction		253.3	2.7	256.0	255.9	256.0	-
Total		313.8	2.4	316.2	316.1	316.2	-
Crockett Interchange Reconstruction	**01305_**						
Capital Outlay Support		32.0	(0.1)	31.9	31.9	31.9	-
Capital Outlay Construction		73.9	(1.9)	72.0	71.9	72.0	-
Total		105.9	(2.0)	103.9	103.8	103.9	-
Existing 1927 Bridge Demolition	**01309_**						
Capital Outlay Support		16.1	(0.5)	15.6	15.6	15.6	-
Capital Outlay Construction		35.2	-	35.2	34.8	35.2	-
Total		51.3	(0.5)	50.8	50.4	50.8	-
Other Contracts	**See note below**						
Capital Outlay Support		15.8	1.2	17.0	16.3	17.0	-
Capital Outlay Construction		18.8	(1.2)	17.6	16.2	17.6	-
Capital Outlay Right-of-Way		10.5	(0.1)	10.4	9.9	10.4	-
Total		45.1	(0.1)	45.0	42.4	45.0	-
Subtotal BATA Capital Outlay Support		124.4	0.3	124.7	124.0	124.7	-
Subtotal BATA Capital Outlay Construction		381.2	(0.4)	380.8	378.8	380.8	-
Subtotal Capital Outlay Right-of-Way		10.5	(0.1)	10.4	9.9	10.4	-
Project Reserves		12.1	(9.8)	2.3	-	2.3	-
Total Carquinez Bridge Replacement Project		528.2	(10.0)	518.2	512.7	518.2	-

Notes: **Other Contracts includes EA's 01301_,01302_, 01303_, 01304_,01305_, 01306_, 01307_, 01308_, 01309_,0130A_, 0130C_, 0130D_, 0130F_, 0130G_, 0130H_, 0130J_, 00453_, 00493_, 04700_, 00607_, 2A270_, and 29920_ and all Project Right-of-Way**

Note: Details may not sum to totals due to rounding effects.

Appendix C: Regional Measure 1 Program Cost Detail ($ Millions) (Continued)

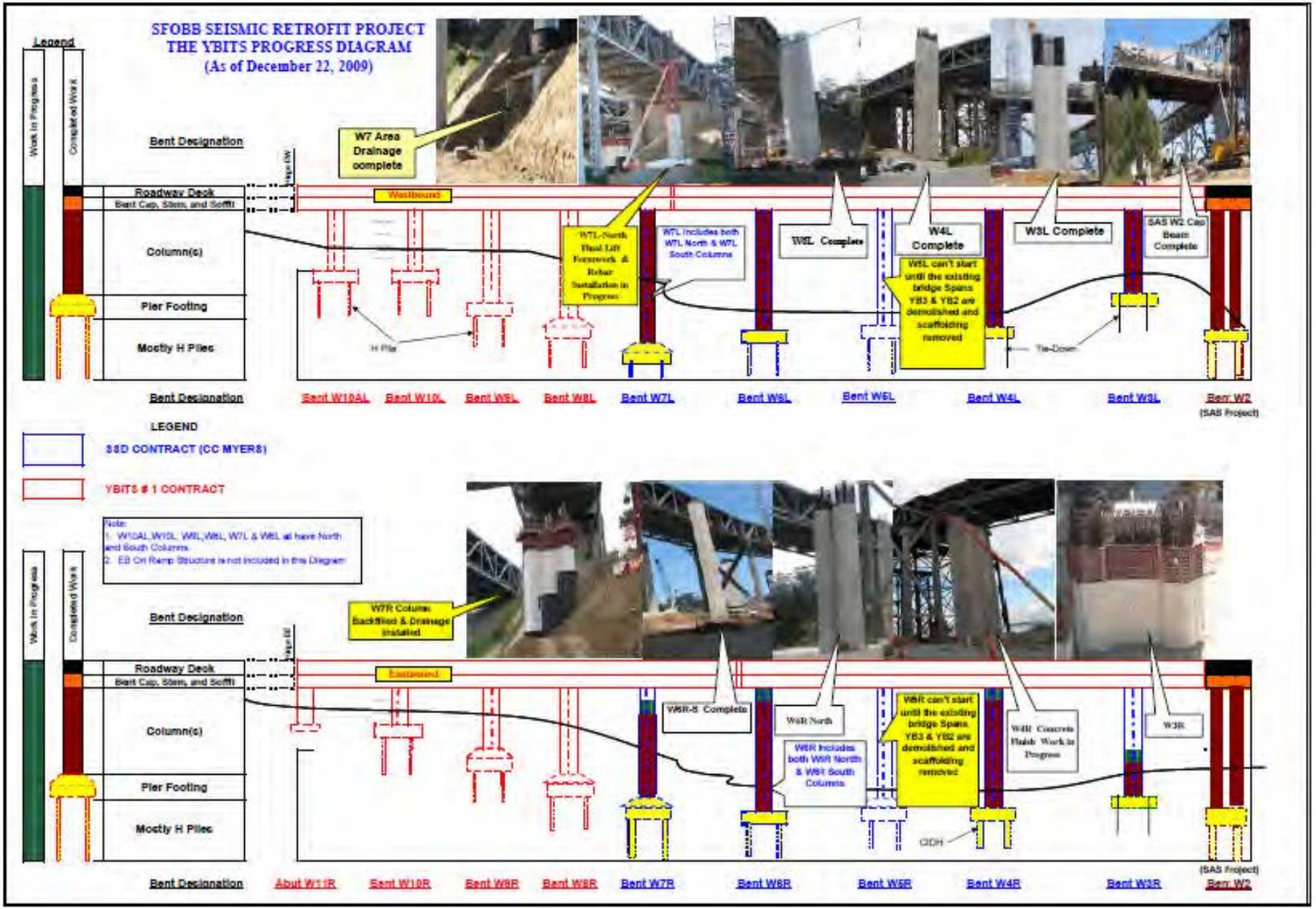
Project	EA Number	BATA Budget (07/2005)	Approved Changes	Current Approved Budget (12/2009)	Cost To Date (12/2009)	Cost Forecast (12/2009)	At-Completion Variance
a	b	c	d	e = c + d	f	g	h = g - e
Richmond-San Rafael Bridge Trestle, Fender, and Deck Joint Rehabilitation			See note [1] below				
Capital Outlay Support							
BATA Funding		2.2	(0.8)	1.4	1.4	1.4	-
Non-BATA Funding		8.6	1.8	10.4	10.4	10.4	-
Subtotal		10.8	1.0	11.8	11.8	11.8	-
Capital Outlay Construction							
BATA Funding		40.2	(6.8)	33.4	33.3	33.4	-
Non-BATA Funding		51.1	-	51.1	51.1	51.1	-
Subtotal		91.3	(6.8)	84.5	84.4	84.5	-
Project Reserves		-	0.8	0.8	-	0.8	-
Total		102.1	(5.0)	97.1	96.2	97.1	-
Rehabilitation	04152_						
Capital Outlay Support							
BATA Funding		4.0	(0.7)	3.3	3.3	3.3	-
Non-BATA Funding		4.0	(4.0)	-	-	-	-
Subtotal		8.0	(4.7)	3.3	3.3	3.3	-
Capital Outlay Construction		16.9	(0.6)	16.3	16.3	16.3	-
Project Reserves		0.1	0.3	0.4	-	0.4	-
Total		25.0	(5.0)	20.0	19.6	20.0	-
Richmond Parkway Project (RM 1 Share Only)	Non-Caltrans						
Capital Outlay Support		-	-	-	-	-	-
Capital Outlay Construction		5.9	-	5.9	4.3	5.9	-
Total		5.9	-	5.9	4.3	5.9	-
San Mateo-Hayward Bridge Widening	See note [2] below						
Capital Outlay Support		34.6	(0.5)	34.1	34.1	34.1	-
Capital Outlay Construction		180.2	(6.1)	174.1	174.1	174.1	-
Capital Outlay Right-of-Way		1.5	(0.9)	0.6	0.5	0.6	-
Project Reserves		1.5	(0.5)	1.0	-	1.0	-
Total		217.8	(8.0)	209.8	208.7	209.8	-
I-880/SR-92 Interchange Reconstruction	EA's 23317_, 01601_, and 01602_						
Capital Outlay Support		28.8	34.6	63.4	51.1	63.4	-
Capital Outlay Construction							
BATA Funding		85.2	60.2	145.4	86.1	151.4	6.0
Non-BATA Funding		9.6	-	9.6	-	9.6	-
Subtotal		94.8	60.2	155.0	86.1	161.0	6.0
Capital Outlay Right-of-Way		9.9	7.0	16.9	11.9	16.9	-
Project Reserves		0.3	9.4	9.7	-	3.7	(6.0)
Total		133.8	111.2	245.0	149.1	245.0	-
Bayfront Expressway Widening	EA's 00487_, 01511_, and 01512_						
Capital Outlay Support		8.6	(0.2)	8.4	8.3	8.4	-
Capital Outlay Construction		26.5	(1.5)	25.0	24.9	25.0	-
Capital Outlay Right-of-Way		0.2	-	0.2	0.2	0.2	-
Project Reserves		0.8	(0.3)	0.5	-	0.5	-
Total		36.1	(2.0)	34.1	33.4	34.1	-
US 101/University Avenue Interchange Modification	Non-Caltrans						
Capital Outlay Support		-	-	-	-	-	-
Capital Outlay Construction		3.8	-	3.8	3.7	3.8	-
Total		3.8	-	3.8	3.7	3.8	-
Subtotal BATA Capital Outlay Support		358.3	61.6	419.9	406.4	419.9	-
Subtotal BATA Capital Outlay Construction		1,569.8	209.3	1,779.1	1,687.5	1,785.1	6.0
Subtotal Capital Outlay Right-of-Way		42.5	5.9	48.4	39.5	48.4	-
Subtotal Non-BATA Capital Outlay Support		14.0	4.0	18.0	17.6	18.0	-
Subtotal Non-BATA Capital Outlay Construction		92.4	9.5	101.9	82.9	101.9	-
Project Reserves		35.6	3.5	39.1	-	33.1	(6.0)
Total RM1 Program		2,112.6	293.8	2,406.4	2,233.9	2,406.4	-

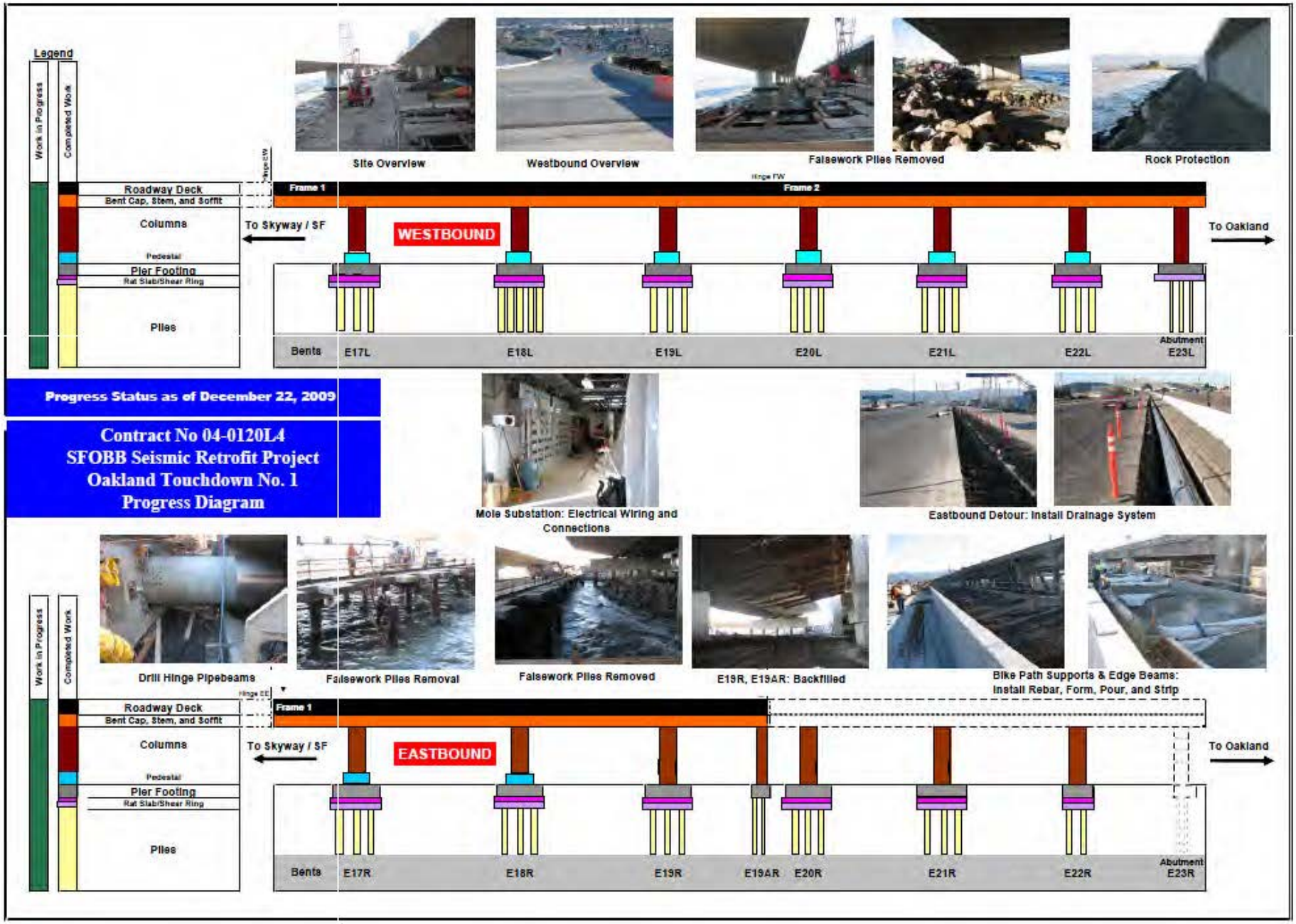
Notes:

1 Richmond-San Rafael Bridge Trestle, Fender, and Deck Joint Rehabilitation Includes Non-TBSRA Expenses for EA 0438U_ and 04157_

2 San Mateo-Hayward Bridge Widening Includes EA's 00305_, 04501_, 04502_, 04503_, 04504_, 04505_, 04506_, 04507_, 04508_, 04509_, 27740_, 27790_, 04860_

Notes: *2Details may not sum to totals due to rounding effects.*


SFOBB SEISMIC RETROFIT PROJECT
THE YBITS PROGRESS DIAGRAM
(As of December 22, 2009)
Legend
Work in Progress
Completed Work
Bent Designation
W7 Area Drainage complete
Roadway Deck
Bent Cap, Stem, and Soffit
Column(s)
Pier Footing
Mostly H Piles
Westbound
W7L-North Final Lift Formwork & Rebar Installation in Progress
W7L Includes both W7L North & W7L South Columns
W6L Complete
W4L Complete
W5L Complete
W5L can't start until the existing bridge Spans YB3 & YB2 are demolished and scaffolding removed
SAS W2 Cap Beam Complete
H Pile
Tie-Down
Bent W10AL
Bent W10L
Bent W9L
Bent W8L
Bent W7L
Bent W6L
Bent W5L
Bent W4L
Bent W3L
Bent W2
(SAS Project)
LEGEND
SSD CONTRACT (CC MYERS)
YBITS # 1 CONTRACT
Note:
1. W10AL,W10L, W9L,W8L, W7L & W6L all have North and South Columns.
2. EB On Ramp Structure is not included in this Diagram
W7R Column Backfilled & Drainage Installed
Eastbound
W6R-S Complete
W6R North
W6R Includes both W6R North & W6R South Columns
W6R can't start until the existing bridge Spans YB3 & YB2 are demolished and scaffolding removed
W6R Concrete Finish Work in Progress
W3R
ODH
Abut W11R
Bent W10R
Bent W9R
Bent W8R
Bent W7R
Bent W6R
Bent W5R
Bent W4R
Bent W3R
Bent W2
(SAS Project)


Legend
Work in Progress
Completed Work
Roadway Deck
Bent Cap, Stem, and Soffit
Columns
Pedestal
Pier Footing
Mat Slab/Shear Ring
Piles
Site Overview
Westbound Overview
Falsework Piles Removed
Rock Protection
Frame 1
Frame 2
To Skyway / SF
WESTBOUND
To Oakland
Bents
E17L
E18L
E19L
E20L
E21L
E22L
Abutment
E23L
Progress Status as of December 22, 2009
Contract No 04-0120L4
SFOBB Seismic Retrofit Project
Oakland Touchdown No. 1
Progress Diagram
Mole Substation: Electrical Wiring and Connections
Eastbound Detour: Install Drainage System
Drill Hinge Pipebeams
Falsework Piles Removal
Falsework Piles Removed
E19R, E19AR: Backfilled
Bike Path Supports & Edge Beams: Install Rebar, Form, Pour, and Strip
Frame 1
To Skyway / SF
EASTBOUND
To Oakland
Bents
E17R
E18R
E19R
E19AR
E20R
E21R
E22R
Abutment
E23R

Appendix F: Project Progress Photographs

SAS Eastbound Structure and Skyway Piers

Appendix F: Project Progress Photographs

Yerba Buena Island Detour Existing Bridge Demolition

Demolition of Existing Bridge Spans YB2 and YB1

Skid Bent System Disassembly in Progress

Skid Beams A1 and A2 Disassembled

Appendix F: Project Progress Photographs

Self-Anchored Suspension Bridge Fabrication

SAS Tower Lift 2 North Shaft Being Fabricated in Bay 10

SAS Lift 8CW Being Prime Coated

SAS Unloading of OBG Lift 1

SAS OBG Lift 3W Being Loaded onto the Ship

Appendix F: Project Progress Photographs

Self-Anchored Suspension Bridge Field Work

SAS - OBG Lifts 3 and 4 Stored onto the Barge

SAS - First OBG Lift Completed

SAS OBG Lift 1E Placed on top of Temporary Eastbound Structure

Appendix F: Project Progress Photographs

Oakland Touchdown

Oakland Touchdown Falsework Removal

Oakland Touchdown Mole Substation Exterior View

Oakland Touchdown Eastbound Detour Road Paved

Oakland Touchdown Westbound Falsework Piles Removed

Appendix F: Project Progress Photographs

92/880 Interchange

92/880 Widening at Mount Eden Overhead Crossing

92/880 Pump Station Construction in Progress

92/880 Site Preparation of New Route 92 and Interstate 880 Separator

Appendix G: Glossary of Terms

AB144/SB 66 BUDGET: The planned allocation of resources for the Toll Bridge Seismic Retrofit Program, or subordinate projects or contracts, as provided in Assembly Bill 144 and Senate Bill 66, signed into law by Governor Schwarzenegger on July 18, 2005 and September 29, 2005, respectively.

BATA BUDGET: The planned allocation of resources for the Regional Measure 1 Program, or subordinate projects or contracts as authorized by the Bay Area Toll Authority as of June 2005.

APPROVED CHANGES: For cost, changes to the AB144/SB 66 Budget or BATA Budget as approved by the Bay Area Toll Authority Commission. For schedule, changes to the AB 144/SB 66 Project Complete Baseline approved by the Toll Bridge Program Oversight Committee, or changes to the BATA Project Complete Baseline approved by the Bay Area Toll Authority Commission.

CURRENT APPROVED BUDGET: The sum of the AB144/SB66 Budget or BATA Budget and Approved Changes.

COST TO DATE: The actual expenditures incurred by the program, project or contract as of the month and year shown.

COST FORECAST: The current forecast of all of the costs that are projected to be expended so as to complete the given scope of the program, project, or contract.

AT COMPLETION VARIANCE or VARIANCE (cost): The mathematical difference between the Cost Forecast and the Current Approved Budget.

AB 144/SB 66 PROJECT COMPLETE BASELINE: The planned completion date for the Toll Bridge Seismic Retrofit Program or subordinate projects or contracts.

BATA PROJECT COMPLETE BASELINE: The planned completion date for the Regional Measure 1 Program or subordinate projects or contracts.

PROJECT COMPLETE CURRENT APPROVED SCHEDULE: The sum of the AB144/SB66 Project Complete Baseline or BATA Project Complete Baseline and Approved Changes.

PROJECT COMPLETE SCHEDULE FORECAST: The current projected date for the completion of the program, project, or contract.

SCHEDULE VARIANCE or VARIANCE (schedule): The mathematical difference expressed in months between the Project Complete Schedule Forecast and the Project Complete Current Approved Schedule.

% COMPLETE: % Complete is based on an evaluation of progress on the project, expenditures to date, and schedule.

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The information in this report is provided in accordance with California Government code Section 755. This document is one of a series of reports prepared for the Bay Area Toll Authority (BATA)/Metropolitan Transportation Commission (MTC) for the Toll Bridge Seismic Retrofit and Regional Measure 1 Programs. The contract value for the monitoring efforts, technical analysis, and field site works that contribute to these reports, as well as the report preparation and production is $1,574,873.73.

URS Hatch Mott MacDonald
Bay Area Management Consultants
An Association of URS Corporation and Hatch Mott MacDonald


MANITOWOC

TOLL BRIDGE PROGRAM OVERSIGHT COMMITTEE
CALTRANS · BAY AREA TOLL AUTHORITY · CALIFORNIA TRANSPORTATION COMMISSION

Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC) **DATE:** February 3, 2010

FR: Tony Anziano, Toll Bridge Program Manager, Caltrans

RE: Agenda No. - 6a1

Item- San Francisco-Oakland Bay Bridge Updates
Yerba Buena Island Detour Update

Recommendation:
For Information Only

Cost:
N/A

Schedule Impacts:
N/A

Discussion:
A verbal update on the Yerba Buena Island Detour contract will be provided at the February 11th meeting.

Attachment(s):
N/A

TOLL BRIDGE PROGRAM OVERSIGHT COMMITTEE
CALTRANS · BAY AREA TOLL AUTHORITY · CALIFORNIA TRANSPORTATION COMMISSION

Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC) **DATE:** February 3, 2010

FR: Brian Maroney, Toll Bridge Deputy Program Manager, Caltrans

RE: Agenda No. - 6a2
San Francisco-Oakland Bay Bridge Updates
Item- Yerba Buena Island Detour
S-Curve Update

Recommendation:
For Information Only

Cost:
N/A

Schedule Impacts:
N/A

Discussion:
A verbal update on the S-curve will be provided at the February 11th meeting.

Attachment(s):
N/A

TOLL BRIDGE PROGRAM OVERSIGHT COMMITTEE
CALTRANS · BAY AREA TOLL AUTHORITY · CALIFORNIA TRANSPORTATION COMMISSION

Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC) **DATE:** February 3, 2010

FR: Tony Anziano, Toll Bridge Deputy Program Manager, Caltrans

RE: Agenda No. - 6b1

Item- San Francisco-Oakland Bay Bridge Updates
Yerba Buena Island Transition Structures No. 1 Update

Recommendation:
For Information Only

Cost:
N/A

Schedule Impacts:
N/A

Discussion:
A verbal update on the Yerba Buena Island Transition Structures No. 1 will be provided at the February 11th meeting.

Attachment(s):
N/A

TOLL BRIDGE PROGRAM OVERSIGHT COMMITTEE
CALTRANS · BAY AREA TOLL AUTHORITY · CALIFORNIA TRANSPORTATION COMMISSION

Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC) **DATE:** February 3, 2010

FR: Tony Anziano, Toll Bridge Program Manager, Caltrans

RE: Agenda No. - 6c1

Item- San Francisco-Oakland Bay Bridge Updates
Oakland Touchdown No. 1 Update

Recommendation:
For Information Only

Cost:
N/A

Schedule Impacts:
N/A

Discussion:
A verbal update on the Oakland Touchdown No. 1 contract will be provided at the February 11th meeting.

Attachment(s):
N/A

TOLL BRIDGE PROGRAM OVERSIGHT COMMITTEE
CALTRANS · BAY AREA TOLL AUTHORITY · CALIFORNIA TRANSPORTATION COMMISSION

Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC) **DATE:** February 3, 2010

FR: Brian Maroney, Toll Bridge Deputy Program Manager, Caltrans

RE: Agenda No. - 7

Item- Eyebar Repair Update

Recommendation:
For Information Only

Cost:
N/A

Schedule Impacts:
N/A

Discussion:
A verbal update on the eyebar repair will be provided at the February 11th meeting.

Attachment(s):
N/A

TOLL BRIDGE PROGRAM OVERSIGHT COMMITTEE
CALTRANS · BAY AREA TOLL AUTHORITY · CALIFORNIA TRANSPORTATION COMMISSION

Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC) **DATE:** February 11, 2010

FR: Jason Weinstein, Senior Program Coordinator, BATA

RE: Agenda No. - 8a

Item- Antioch and Dumbarton Retrofit Update
Antioch Retrofit Contract – Addendum No. 2

Recommendation:
APPROVAL

Cost:
$ 100,000

Schedule Impacts:
N/A

Discussion:
The items in Addendum No. 2 are shown on the attachment titled "TBPOC Addendum No. 2 list of Items".

Addendum No. 2 includes several items that cover approximately 25 plan sheet revisions, as well as, various specification changes.

Some of the key elements of this addendum are:

- Per the requirements of the Regional Walter Quality Control Board (RWQCB) 401 certification, a turbidity control specification and bid item have been added at an estimated cost of $100,000.

- This project is being bid is an "A" + "B" contract. There was a discrepancy in the contract documents that could have allowed some undesirable bidding practices. The problem has rectified by modifying the "B" value to match the liquidated damage value of $10,500 per day.

- Strong Motion Detection System - Renamed Seismic Monitoring Electrical System and revision was made to 20 plan sheets.

These additions and revisions to the contract plans and specifications will not impact the current schedule for the Antioch retrofit contract. Bid opening is still scheduled for March 10, 2010.

Attachment(s):
TBPOC Addendum No. 2 List of Items

TOLL BRIDGE PROGRAM OVERSIGHT COMMITTEE

CALTRANS · BAY AREA TOLL AUTHORITY · CALIFORNIA TRANSPORTATION COMMISSION

TBPOC Addendum No. 2 List of Items

Subject	Method for Incorporation into Project		Notes
	Bid Documents	Addendum/ CCO/Other	February 2010
Modify "B" Value		✓	Revised LD and "B" Value to $10,500 to conform with Amendment to the Standard Specifications dated May 2006
Progress Schedule		✓	Progress Schedule (Critical Path Method) - Added spec
Species Protection		✓	Revise spec to add other bird species and requirement per permit.
Bird Protection		✓	Revise spec to add other bird species and requirement per permit.
Relation With California Regional Water Quality Control Board		✓	Revised spec to add permit number.
Order of Work		✓	Revise spec to add "temporary exclusion measure" language between Abutment No. 1 to Pier 9 and Between Pier 41 and Station 236+50.
Establish Marine Access		✓	Revise Engineer review time from 50 days to 3 weeks. Added "soft start" technique for pile installation per permit requirement.
Water Pollution Control		✓	Revised spec to add "Rain Event Action Plan" per RWQCB 401 Certification.
Turbidity Control		✓	Added NEW spec per RWQCB 401 Certification. Added item and $100K lump sum to Bid Item List.
Temporary Construction Roadway		✓	Revised spec to delete Rock Type B per construction.
Cooperation		✓	Revised spec to include State contractor's removal of temporary exclusion measure.
Concrete Barrier		✓	Revised spec to include removal of HMA patch as part of full compensation per construction.
Concrete Barrier		✓	SC-1 - Revise plan to clarify Concrete Barrier (Type K) removal and installation.
Concrete Barrier		✓	SC-2 - Revise plan to show installation of Concrete Barrier (Type K).

Subject	Method for Incorporation into Project		Notes
	Bid Documents	Addendum/ CCO/Other	February 2010
Structure Items			
Strong Motion Detection System		✓	Item 71 - Strong Motion Detection System - Renamed Seismic Monitoring Electrical System.
Strong Motion Detection System		✓	Strong Motion Detection System - Renamed Seismic Monitoring Electrical System. Edits throughout per California Geological Survey
Strong Motion Detection System		✓	Revised 20 sheets to Strong Motion Detection System per Imran Saeed. (also included response to BI #37)
Strong Motion Detection System		✓	10-3.12, PAYMENT: Full Comp Strong Motion Detection System platform into Item 71 ~~STRONG MOTION DETECTION SYSTEM~~ SEISMIC MONITORING ELECTRICAL SYSTEM (response to BI #22), included earthwork and foundations in std pay clause for SMES (BI #18)
Strong Motion Detection System		✓	10-1.41, INSTALL SEISMIC MONITORING CASING
Strong Motion Detection System		✓	10-3.08, TELEPHONE SERVICE - in full comp clause edited name of ~~STRONG MOTION DETECTION SYSTEM~~ SEISMIC MONITORING ELECTRICAL SYSTEM
Clean and paint structural steel		✓	10-1.52 CLEAN AND PAINT STRUCTURAL STEEL - Added requirement for SSPC-QP1. (BI #38)
Furnish Seismic Isolation Bearing		✓	10-1.46, FURNISH SEISMIC ISOLATION BEARING
Install Seismic Isolation Bearing		✓	10-1.47, INSTALL SEISMIC ISOLATION BEARING
Seismic Isolation Bearing		✓	Materials Information Handout: items from S. Margaris for SESIMIC ISOLATION BEARING (response to BI #4)
Seismic Isolation Bearing		✓	5-1.09, SUPPLEMENTAL PROJECT INFORMATION - Added listing for EPS purchase agreement. (BI #4)
Seismic Isolation Bearing		✓	Sheet 150 & 151- EPS changes

Subject	Method for Incorporation into Project		Notes
	Bid Documents	Addendum/ CCO/Other	February 2010
Seismic Isolation Bearing		✓	Added CLEAN AND PAINT SEISMIC ISOLATION BEARING following 10-1.52 C&P STRUCTURAL STEEL
AWS welding codes		✓	8-3.01 - Requested "four copies each of all AWS welding codes which are applicable to the welding to be performed. These codes shall become the permanent property of the Department."
Sheet 139 modification		✓	(second instance of 138) & 141 - BI #19, prestress exist bentcap at pier 40
Sheet 138 modification		✓	Updated item name for Seismic Monitoring Electrical System in quantity decal.
Sheet 142 modification		✓	Edited general notes.
Reconstruct Base System Platform		✓	10-1.31 EXISTING HIGHWAY FACILITIIES, subsection RECONSTRUCT BASE SYSTEM PLATFORM - Edited to ensure that new pieces are galvanized and not painted.

ITEM 9: OTHER BUSINESS

No Attachments